

ADOPTED BUDGET

CITY OF PORTLAND



FISCAL YEAR 1995-1996

VOLUME 3

CAPITAL PROJECTS DETAIL



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FY 95-96

Adopted Vol. 3

**Adopted Budget
City of Portland
Fiscal Year 1995-1996
Volume III
Capital Budget Project Detail**

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CAPITAL BUDGET PROJECT DETAILS

Fiscal Year 1995-96 to 1999-2000

INTRODUCTION

In past years the City has included both the discussion and summary of capital projects by capital system and the project detail forms for each project in the same document. Beginning with the FY1994-95 Capital Budget, the capital reporting requirements for the City's two largest utilities, the Bureau of Water Works and the Bureau of Environmental Services, were changed. These changes effectively doubled the number of pages required to present the details of each project. This change, coupled with the large number of capital projects being considered by these two bureaus, resulted in the need to separate the Capital Budget into two volumes.

This document provides details for each of the projects that comprise the FY1995-96 Capital Budget. Project detail reports are broken down into the six capital systems comprising the City's overall capital program. These capital systems include:

- City Support Facilities
- Cultural and Recreation
- Economic Development
- Sewage
- Transportation
- Water

For a discussion of each of the above capital systems and review of the City's overall capital program, please refer to the FY1995-96 Capital Budget in Volume 2.



PROJECT DETAIL SHEETS

City Support Facilities Capital System

PROJECT DETAIL

Project: **RENOVATION**

System: *City Support*
 Program: *City Hall*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will fully renovate City Hall. Improvements to the building's structure will be made so it meets current seismic and ADA requirements. Interior remodeling will be done so the space will meet modern office standards. Additionally, HVAC, electrical, and plumbing systems will be replaced. Historical and aesthetic considerations as well as purely functional issues will also be addressed.

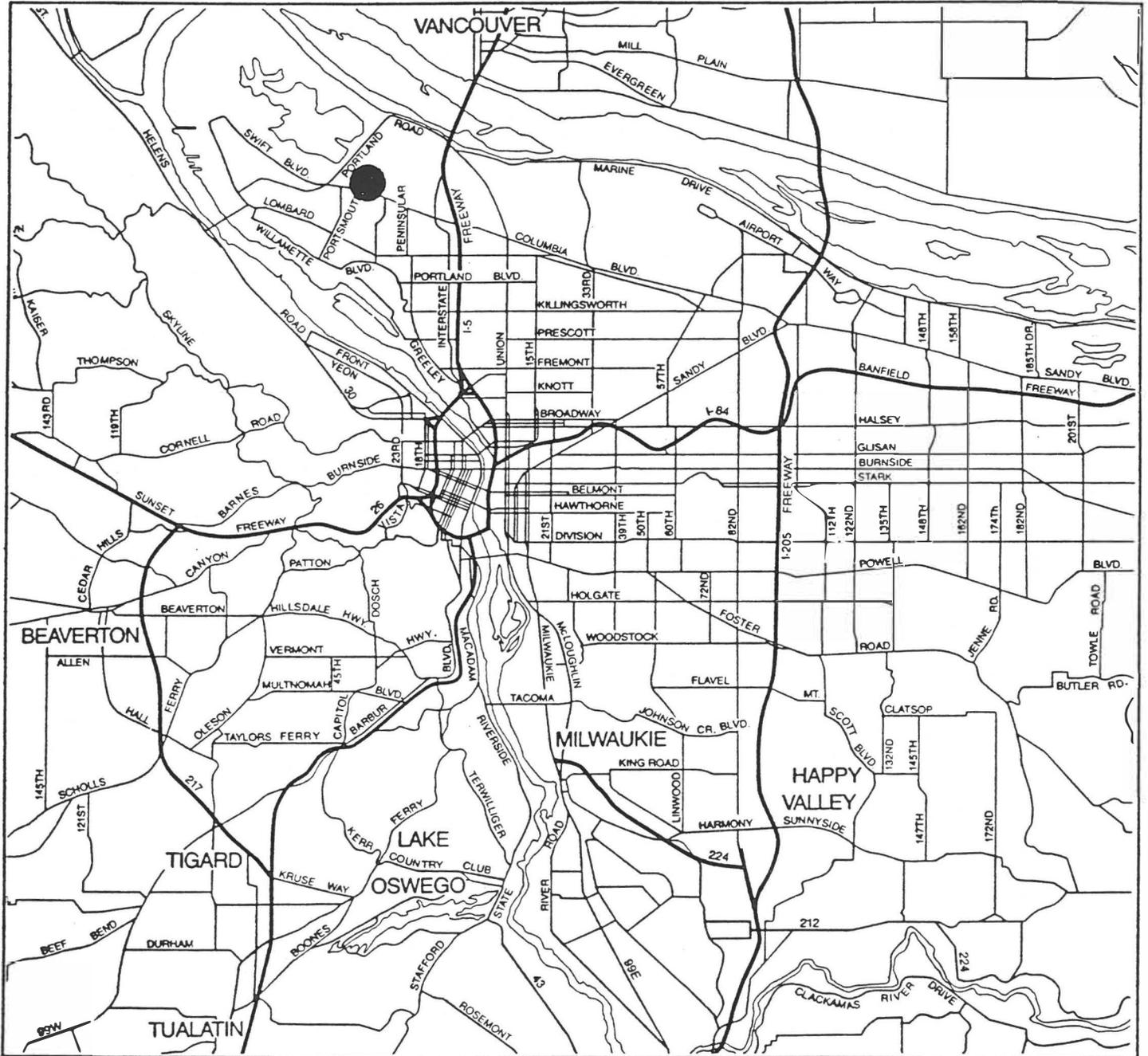
Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Debt Sale	\$0	\$9,421,300	\$10,446,900	\$0	\$0	\$0	\$19,868,200
General Fund	1,025,600	0	0	0	0	0	1,025,600
Total	\$1,025,600	\$9,421,300	\$10,446,900	\$0	\$0	\$0	\$20,893,800

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	1,025,600	1,509,150	1,130,150	0	0	0	3,664,900
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	7,912,150	9,316,750	0	0	0	17,228,900
Total Annual Costs	\$1,025,600	\$9,421,300	\$10,446,900	\$0	\$0	\$0	\$20,893,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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● City Auditor's Archives Building

PROJECT DETAIL

Project: **MAINTAIN EXTERIORS**

System: *City Support*
Program: *City Auditor's Archives Building*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

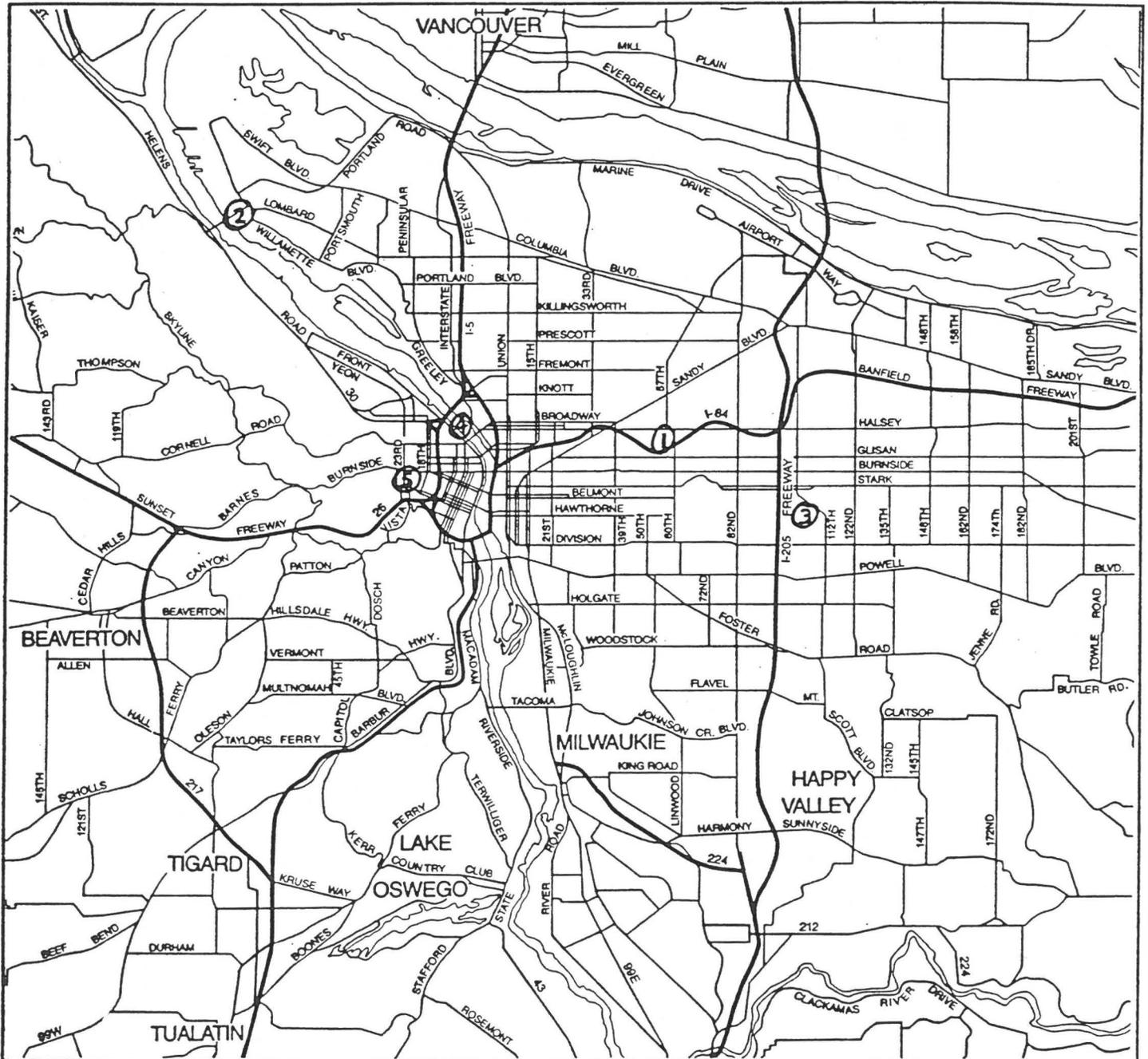
This project will clean and seal the brick exterior of the building. This is required maintenance to prevent leaking and damage to the structure and its contents.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$32,800	\$0	\$0	\$0	\$0	\$32,800
Total	\$0	\$32,800	\$0	\$0	\$0	\$0	\$32,800

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	10,800	0	0	0	0	10,800
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	22,000	0	0	0	0	22,000
Total Annual Costs	\$0	\$32,800	\$0	\$0	\$0	\$0	\$32,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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- 1. Southeast Precinct Improvements
- 2. North Precinct Improvements
- 3. Construct New East Precinct
- 4. Mounted Patrol Arena Cover
Police Paddock Drainage Improvements
- 5. Police Property Warehouse Remodel Second Floor
Police Property Warehouse Improvements

PROJECT DETAIL

Project: *SOUTHEAST PRECINCT IMPROVEMENTS*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will renovate the Police Precinct at 47th and East Burnside. Improvements to the building's structure will be made so it meets current seismic and ADA requirements. Interior remodeling will be done so the space will meet community policing facility standards. Additionally, HVAC, electrical, and plumbing systems will be replaced. Some of these improvements benefit Multnomah County, another tenant of the facility, so they will pay for a portion of the costs.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$255,300	\$1,942,200	\$0	\$0	\$0	\$0	\$2,197,500
Multnomah County	0	304,000	0	0	0	0	304,000
Total	\$255,300	\$2,246,200	\$0	\$0	\$0	\$0	\$2,501,500

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	255,300	199,200	0	0	0	0	454,500
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	2,047,000	0	0	0	0	2,047,000
Total Annual Costs	\$255,300	\$2,246,200	\$0	\$0	\$0	\$0	\$2,501,500

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *NORTH PRECINCT IMPROVEMENTS*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will upgrade the Police Bureau's North Precinct in the old St Johns City Hall building to meet ADA and seismic requirements. Some deferred maintenance items would be addressed as well. Design and project management are budgeted in FY 1994-95. Construction is proposed for FY 1995-96.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$351,000	849,000	0	\$0	\$0	\$0	\$1,200,000
Total	\$351,000	\$849,000	\$0	\$0	\$0	\$0	\$1,200,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	157,000	101,400	0	0	0	0	258,400
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	194,000	747,600	0	0	0	0	941,600
Total Annual Costs	\$351,000	\$849,000	\$0	\$0	\$0	\$0	\$1,200,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *CONSTRUCT NEW EAST PRECINCT*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

With the annexation of areas in east Portland there is an increasing need for a new precinct to adequately serve this area of the city. Site location and designing of the facility are budgeted in FY 1994-95. Site acquisition and construction are proposed for FY 1995-96.

Funding Sources:

General Fund

Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
\$223,700	\$3,881,600	\$0	\$0	\$0	\$0	\$4,105,300
Total	\$223,700	\$3,881,600	\$0	\$0	\$0	\$4,105,300

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	223,700	451,600	0	0	0	675,300
Site Acquisition	0	1,000,000	0	0	0	1,000,000
Construction/Maintenance	0	2,430,000	0	0	0	2,430,000
Total Annual Costs	\$223,700	\$3,881,600	\$0	\$0	\$0	\$4,105,300

Estimated Additional Operating/Maintenance Costs:

\$0	\$216,000	\$216,000	\$216,000	\$216,000	\$216,000	\$864,000
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Project: *MOUNTED PATROL - ARENA COVER*

System: *City Support*
Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project would cover a portion of the training arena used by the Police Bureau's Mounted Patrol Unit. Currently, the wet weather creates conditions that are unsafe for horses and officers. These conditions make it difficult to maintain a well trained Mounted Patrol Unit to serve the public. The project would create a year round facility that could also be utilized to train the mounted units of other law enforcement agencies .

Funding Sources:

General Fund

Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
\$0	\$105,400	\$0	\$0	\$0	\$0	\$105,400
Total	\$0	\$105,400	\$0	\$0	\$0	\$105,400

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	27,400	0	0	0	27,400
Site Acquisition	0	0	0	0	0	0
Construction/Maintenance	0	78,000	0	0	0	78,000
Total Annual Costs	\$0	\$105,400	\$0	\$0	\$0	\$105,400

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **MOUNTED PATROL - PADDOCK DRAINAGE**

System: *City Support*
 Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project consists of grading the area for drainage to the exterior perimeter, installation of sub-surface drainage pipes, and a central sump connecting to the sewer system. A swale would be graded outside the fence. The current fence location would be unchanged.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Police Facilities Rental Rates	\$0	\$37,600	\$0	\$0	\$0	\$0	\$37,600
Total	\$0	\$37,600	\$0	\$0	\$0	\$0	\$37,600

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	11,600	0	0	0	0	11,600
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	26,000	0	0	0	0	26,000
Total Annual Costs	\$0	\$37,600	\$0	\$0	\$0	\$0	\$37,600

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: **REGIONAL POLICE TRAINING FACILITY**

System: *City Support*
 Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

During FY 1995-96 this project would provide support to the Police Training Division and regional representatives to identify objectives, site, and building requirements for a regional police training facility. The following year, a careful site selection process would occur; design and construction could then proceed in FY 1997-98.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$50,000	\$30,000	\$3,774,600	\$0	\$0	\$3,854,600
Total	\$0	\$50,000	\$30,000	\$3,774,600	\$0	\$0	\$3,854,600

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	50,000	30,000	542,000	0	0	622,000
Site Acquisition	0	0	0	1,100,000	0	0	1,100,000
Construction/Maintenance	0	0	0	2,132,600	0	0	2,132,600
Total Annual Costs	\$0	\$50,000	\$30,000	\$3,774,600	\$0	\$0	\$3,854,600

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$165,000	\$165,000	\$330,000
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PROJECT DETAIL

Project: **POLICE PROPERTY WAREHOUSE – REMODEL 2ND FLOOR**

System: *City Support*
 Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

The move of Communications Services to the new Portland Communications Center gives the Police the opportunity to use the second floor area for additional evidence storage. The lower space is near capacity and there is a need for additional space to allow safe and effective evidence storage and retrieval. This project will remodel the second floor to accommodate the police evidence storage needs.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600
Total	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	10,800	8,800	7,800	12,800	0	40,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	18,000	31,000	12,000	43,400	0	104,400
Total Annual Costs	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Project: **POLICE PROPERTY WAREHOUSE MAJOR MAINTENANCE**

System: *City Support*
 Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project includes a number of improvements to the Police Property Warehouse required as a result of deferred maintenance. These improvements would be done over the next few years and include replacing the wooden ramp, replacing the roof, repairing the retaining wall, and repairing and painting the exterior.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Police Facilities Rental Rates	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600
Total	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	10,800	8,800	7,800	12,800	0	40,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	18,000	31,000	12,000	43,400	0	104,400
Total Annual Costs	\$0	\$28,800	\$39,800	\$19,800	\$56,200	\$0	\$144,600

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **JUSTICE CENTER - UPS REPLACEMENT**

System: *City Support*
 Program: *Police*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

The Uninterruptable Power Source (UPS) system in the Justice Center protects the building's life support systems from power failures. The current UPS system will be at the end of its ten year design life in FY 1994-95. This critical system should be replaced with upgraded equipment before the existing system fails. Multnomah County will do the project and bill the City its share of the costs.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	41,800	0	\$0	\$0	\$0	\$41,800
Total	\$0	\$41,800	\$0	\$0	\$0	\$0	\$41,800

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	8,800	0	0	0	0	8,800
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	33,000	0	0	0	0	33,000
Total Annual Costs	\$0	\$41,800	\$0	\$0	\$0	\$0	\$41,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: **JUSTICE CENTER - CARPET REPLACEMENT**

System: *City Support*
 Program: *Police*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project is part of the long term maintenance plan for the building. Each year a portion of the carpeting is replaced. The Justice Center has a high volume of traffic and the carpet tends to wear out more quickly than in a normal office complex.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Police Facilities Rental Rates	\$0	\$94,400	\$0	\$94,400	\$94,400	\$94,400	\$377,600
General Fund	125,700	0	0	0	0	0	125,700
Total	\$125,700	\$94,400	\$0	\$94,400	\$94,400	\$94,400	\$503,300

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	12,570	18,400	0	18,400	18,400	18,400	86,170
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	113,130	76,000	0	76,000	76,000	76,000	417,130
Total Annual Costs	\$125,700	\$94,400	\$0	\$94,400	\$94,400	\$94,400	\$503,300

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **JUSTICE CENTER - PARTITION REPLACEMENT**

System: *City Support*
 Program: *Police*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

The partitions in the Justice Center have become worn, faded, and outdated. This replacement program will gradually replace the partitions throughout the building. The new partitions meet the need for increased communications, computer and electrical capacity. Their new design also improves air circulation for increased internal air quality and reduced HVAC costs.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Police Facilities Rental Rates	\$0	\$96,400	\$0	\$96,400	\$96,400	\$96,400	\$385,600
Total	\$0	\$96,400	\$0	\$96,400	\$96,400	\$96,400	\$385,600

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	18,400	0	18,400	18,400	18,400	73,600
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	78,000	0	78,000	78,000	78,000	312,000
Total Annual Costs	\$0	\$96,400	\$0	\$96,400	\$96,400	\$96,400	\$385,600

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **CARPET REPLACEMENT**

System: *City Support*
 Program: *Portland Building*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project is part of the long term maintenance program for the Portland Building. Each year a portion of the carpeting is replaced with carpet tiles which have a ten year life.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Portland Building Rental Rates	\$457,100	\$74,400	\$122,400	\$122,400	\$122,400	\$122,400	\$1,021,100
Total	\$457,100	\$74,400	\$122,400	\$122,400	\$122,400	\$122,400	\$1,021,100

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	45,710	14,000	22,400	22,400	22,400	22,400	149,310
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	411,390	60,400	100,000	100,000	100,000	100,000	871,790
Total Annual Costs	\$457,100	\$74,400	\$122,400	\$122,400	\$122,400	\$122,400	\$1,021,100

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Project: **ELIMINATE EXTERIOR WALL LEAKS**

System: *City Support*
 Program: *Portland Building*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will repair the moisture penetration problems on the north and south window walls of the Portland Building. The water leaks must be prevented to eliminate continued damage to interior and structural components of the building. An evaluation study indicates that gaskets, sealant and flashing should be replaced and the existing weepole system cleaned and improved.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Portland Building Rental Rates	\$82,000	\$314,600	\$0	\$0	\$0	\$434,400	\$831,000
Total	\$82,000	\$314,600	\$0	\$0	\$0	\$434,400	\$831,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	8,200	64,600	0	0	0	86,400	159,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	73,800	250,000	0	0	0	348,000	671,800
Total Annual Costs	\$82,000	\$314,600	\$0	\$0	\$0	\$434,400	\$831,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **UPGRADE SECOND FLOOR MEETING ROOMS**

System: *City Support*
Program: *Portland Building*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project would expand the size of meeting room C and create a room shaped to more comfortably accommodate Planning Commission and other hearings. The auditorium would be adjusted to a smaller size, but the stage would be lowered and the sight lines improved. Both rooms would have improved audio-visual arrangements. Also improvements to the acoustics, lighting, and finishes would be made. The auditorium will be arranged so the City Council can be accommodated in this room during renovation of City Hall.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Debt Sale	\$0	\$372,400	\$0	\$0	\$0	\$0	\$372,400
Total	\$0	\$372,400	\$0	\$0	\$0	\$0	\$372,400

Costs/Schedule:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	90,400	0	0	0	0	90,400
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	282,000	0	0	0	0	282,000
Total Annual Costs	\$0	\$372,400	\$0	\$0	\$0	\$0	\$372,400

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *INSTALL INTERIOR SIGNAGE*

System: *City Support*
 Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project will standardize and improve the interior signage at the parking garages. This will facilitate traffic flow, increase customer satisfaction and improve public recognition. This is similar to the standardization of the exterior signage at all garages that was just completed.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Parking Facilities Fund	\$0	\$34,800	\$0	\$0	\$0	\$0	\$34,800
Total							

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	8,800	0	0	0	0	8,800
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	26,000	0	0	0	0	26,000
Total Annual Costs	\$0	\$34,800	\$0	\$0	\$0	\$0	\$34,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *FRONT AND DAVIS - GATE REPLACEMENT*

System: *City Support*
 Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project will replace the large security gate for the Front and Davis Garage. The gates were designed to be locked after hours to secure the garage for the night. The Police Tactical Operations Division operated out of this garage 24 hours per day. The existing gates were not designed for this constant use and need to be replaced. The new gates will be designed to handle off-hour use. This project will support the Police Traffic Division's relocation to this facility as after hour access is still required.

Funding Sources:

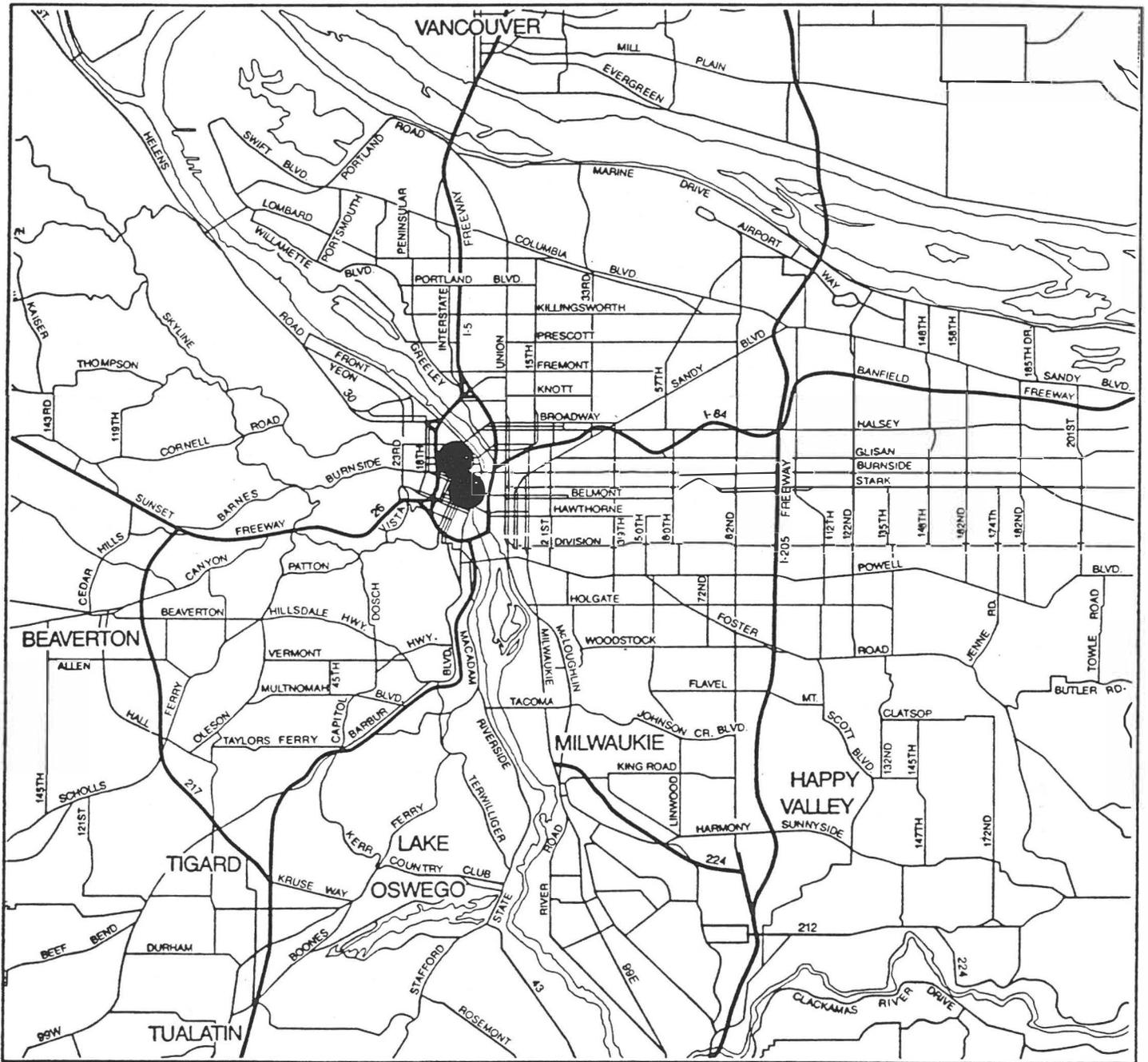
	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Parking Facilities Fund	\$0	\$46,800	\$0	\$0	\$0	\$0	\$46,800
Total	\$0	\$46,800	\$0	\$0	\$0	\$0	\$46,800

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	10,800	0	0	0	0	10,800
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	36,000	0	0	0	0	36,000
Total Annual Costs	\$0	\$46,800	\$0	\$0	\$0	\$0	\$46,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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● Parking Garages

PROJECT DETAIL

Project: *FOURTH & YAMHILL - ADD TWO PARKING LEVELS*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will construct two new parking levels to the Fourth and Yamhill Parking Garage. The garage was designed so two additional parking levels could be added when parking demand grew to make this financially feasible. The garage is currently operating at capacity and nearby the Third and Alder Garage is close to capacity. Development on any adjacent private parking sites will further both reduce supply and increase demand. The timing and feasibility of this project is being closely coordinated with the PDC.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Debt Sale	\$0	\$3,187,200	\$0	\$0	\$0	\$0	\$3,187,200
Total	\$0	\$3,187,200	\$0	\$0	\$0	\$0	\$3,187,200

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	497,200	0	0	0	0	497,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	2,690,000	0	0	0	0	2,690,000
Total Annual Costs	\$0	\$3,187,200	\$0	\$0	\$0	\$0	\$3,187,200

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
	\$0	\$164,000	\$164,000	\$164,000	\$164,000	\$164,000	\$656,000

Project: *FRONT AND DAVIS - ADD TWO FLOORS FOR COMMERCIAL SPACE*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project will add two floors to the existing garage at Front and Davis. The garage was designed so that two additional floors could be added when the demand for commercial space made the project financially feasible. Current private investments in the area north of Burnside and interest in the River District indicates this addition may be appropriate during the next five years. Related planning work being conducted in FY 1994-95 and FY 1995-96 will contribute to our understanding of need and financial feasibility of this project.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Debt Sale	\$0	\$660,800	\$11,484,800	\$0	\$0	\$0	\$12,145,600
Total	\$0	\$660,800	\$11,484,800	\$0	\$0	\$0	\$12,145,600

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	660,800	1,584,800	0	0	0	2,245,600
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	0	9,900,000	0	0	0	9,900,000
Total Annual Costs	\$0	\$660,800	\$11,484,800	\$0	\$0	\$0	\$12,145,600

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
	\$0	\$0	\$630,000	\$630,000	\$630,000	\$630,000	\$1,890,000

PROJECT DETAIL

Project: *ELEVATOR CONTROL REPLACEMENT*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

To provide dependable elevator service in the parking garages it is essential the switch gears be replaced with closed circuit computerized controls. This will provide smoother rides, reduced down time, improved safety, and increased customer satisfaction. Replacement of the controls at the Tenth and Yamhill and the First and Jefferson parking garages are planned for FY 1995-96.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Autoport Fund	\$0	\$278,600	\$0	\$0	\$0	\$0	\$278,600
Parking Facilities Fund	425,700	459,900	0	0	0	0	885,600
Total	\$425,700	\$738,500	\$0	\$0	\$0	\$0	\$1,164,200

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	42,570	151,000	0	0	0	0	193,570
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	383,130	587,500	0	0	0	0	970,630
Total Annual Costs	\$425,700	\$738,500	\$0	\$0	\$0	\$0	\$1,164,200

Estimated Additional Operating/Maintenance Costs:

\$0	(\$1 0000)	(\$10,000)	(\$10,000)	(\$10,000)	(\$40,000)
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Project: *UPGRADE REVENUE CONTROL EQUIPMENT*

System: *City Support*
Program: *Parking Garages*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

X

Project Description:

This project replaces the revenue control equipment at the parking garages. The revenue control equipment is essential to the smooth and profitable operation of our parking garage system. Two fiscal year increments will provide an entirely new system. This combines with the equipment currently being installed. This project should be coordinated with the replacement of the attendant booths to minimize disruptions and costs.

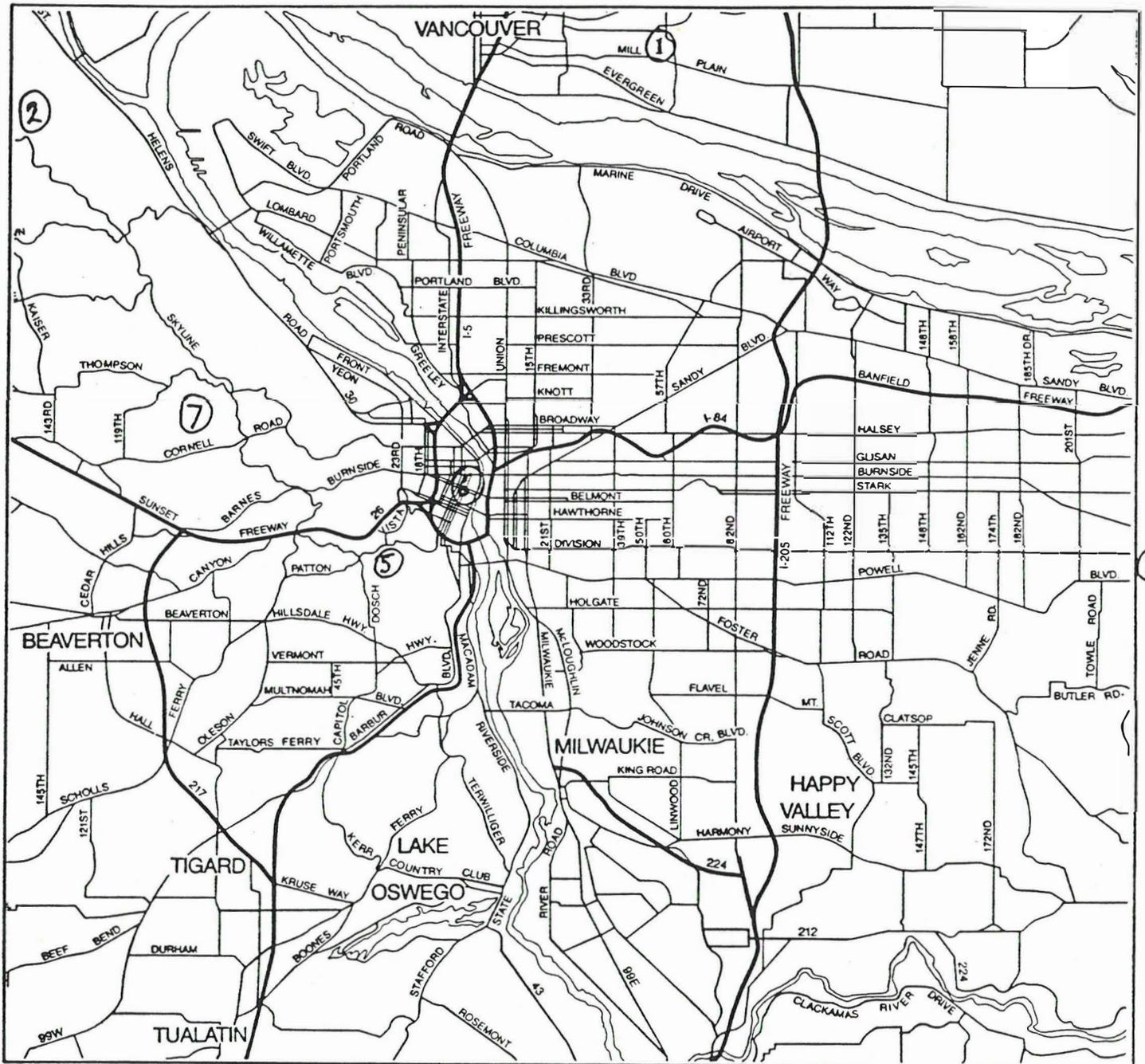
Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Autoport Fund	\$38,800	\$0	\$43,800	\$0	\$0	\$0	\$82,600
Parking Facilities Fund	155,600	80,000	127,400	0	0	245,100	608,100
Total	\$194,400	\$80,000	\$171,200	\$0	\$0	\$245,100	\$690,700

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	19,440	15,000	31,200	0	0	55,100	120,740
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	174,960	65,000	140,000	0	0	190,000	569,960
Total Annual Costs	\$194,400	\$80,000	\$171,200	\$0	\$0	\$245,100	\$690,700

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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1. Vancouver Tower/Facility/Equipment
2. Cornelius Pass Tower/Facility/Equipment
3. Mt. Hood Tower/Facility/Equipment
4. HVAC for Tower Control Rooms - at all sites
5. Back up Generator for Council Crest
6. Downtown Portland Towers
7. Forest Heights Tower

PROJECT DETAIL

Project: VANCOUVER COMMUNICATIONS TOWER, FACILITY, AND EQUIPMENT

System: City Support
Program: Communications Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

The City of Vancouver is planning to build an 800 MHz radio site in Vancouver, which will be connected into the City of Portland's new 800 MHz radio system. This site when constructed will provide additional coverage back into the City of Portland and also will accomplish regional communications between our two cities. This project will be similar to the other radio sites that the City has built. The reason it has been identified is that the City of Vancouver may transfer funds to the City of Portland to construct this site for them.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
City of Vancouver	\$0	\$972,000	\$0	\$0	\$0	\$0	\$972,000
Total	\$0	\$972,000	\$0	\$0	\$0	\$0	\$972,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	97,200	0	0	0	0	97,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	874,800	0	0	0	0	874,800
Total Annual Costs	\$0	\$972,000	\$0	\$0	\$0	\$0	\$972,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$21,000	\$21,000	\$21,000	\$21,000	\$84,000
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Project: MT HOOD TOWER, FACILITY, AND EQUIPMENT

System: City Support
Program: Communications Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project will design and construct a new radio site to provide radio coverage in this area. At present the existing radio system does not provide coverage in the area and was not a part of the initial construction of the City's 800 MHz radio system. This project will increase utilization of the new 800 MHz radio system. It is necessary to provide radio communication in this area for public safety and public works.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Debt Sale	\$0	\$110,000	\$0	\$0	\$0	\$0	\$110,000
Total	\$0	\$110,000	\$0	\$0	\$0	\$0	\$110,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	22,000	0	0	0	0	22,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	88,000	0	0	0	0	88,000
Total Annual Costs	\$0	\$110,000	\$0	\$0	\$0	\$0	\$110,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$12,000	\$12,000	\$12,000	\$12,000	\$48,000
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PROJECT DETAIL

Project: HVAC FOR TOWER CONTROL ROOMS

System: City Support
Program: Communications Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project will install HVAC systems in the tower control rooms of 800 Mhz radio system sites. This is needed so the 800 Mhz radio system equipment is not subject to wide temperature variations that would decrease its useful life.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Communications Services' Rate	\$0	\$85,200	\$0	\$0	\$0	\$0	\$85,200
Total	\$0	\$85,200	\$0	\$0	\$0	\$0	\$85,200

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	17,200	0	0	0	0	17,200
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	68,000	0	0	0	0	68,000
Total Annual Costs	\$0	\$85,200	\$0	\$0	\$0	\$0	\$85,200

Estimated Additional Operating/Maintenance Costs:

\$0	\$ 1,500	\$ 1,500	\$ 1,500	\$ 1,500	\$ 6,000
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Project: BACK UP GENERATOR FOR COUNCIL CREST TOWER

System: City Support
Program: Communications Services

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project will design and install a new emergency power system for the Council Crest Communications Center. The current emergency power system and generator are both old and undersized for the current and future planned requirements including an HVAC system. A new generator with greater capacity is necessary to meet emergency loads.

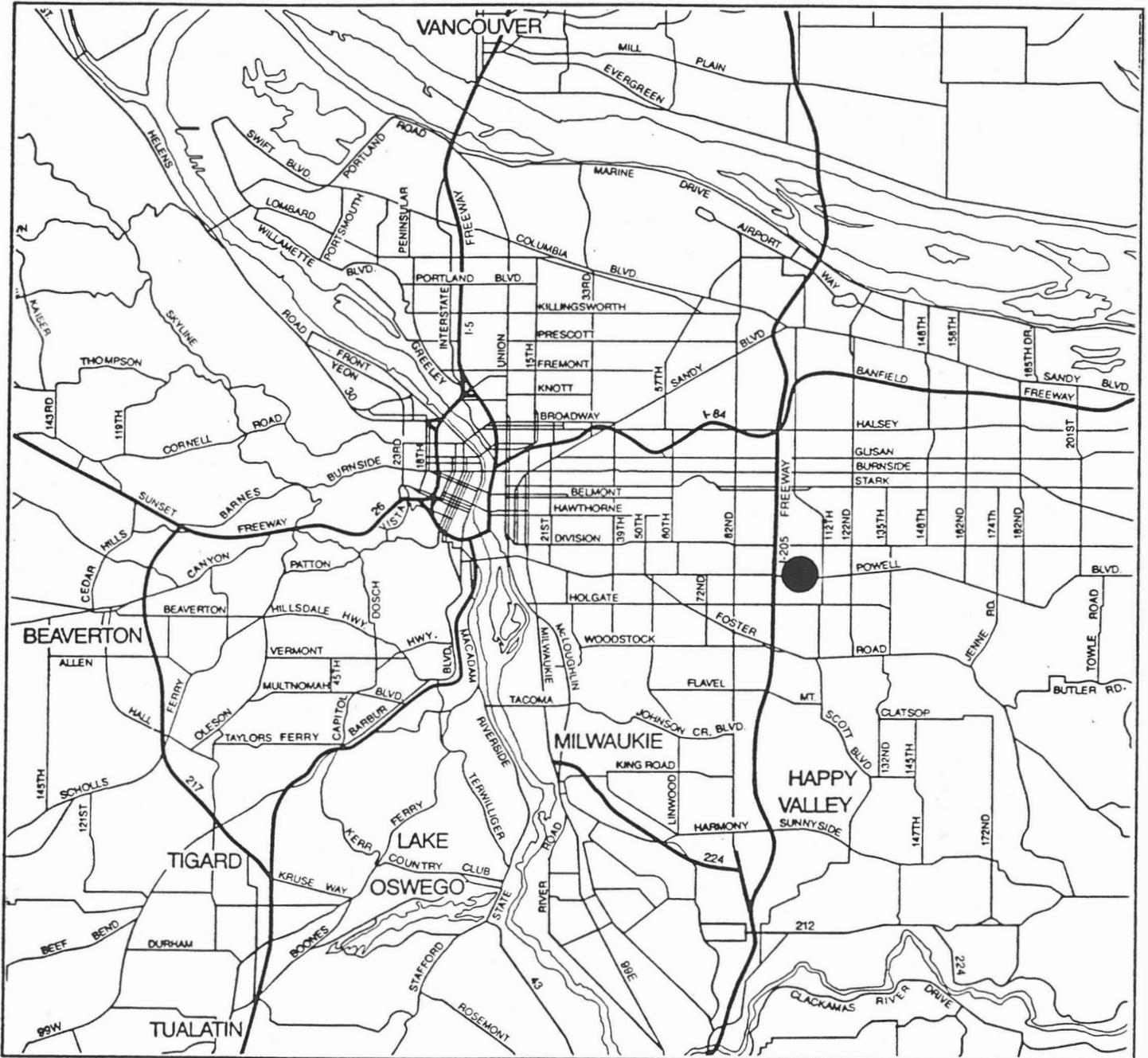
Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Communications Services' Rate	\$0	\$61,800	\$0	\$0	\$0	\$0	\$61,800
Total	\$0	\$61,800	\$0	\$0	\$0	\$0	\$61,800

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	11,800	0	0	0	0	11,800
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	50,000	0	0	0	0	50,000
Total Annual Costs	\$0	\$61,800	\$0	\$0	\$0	\$0	\$61,800

Estimated Additional Operating/Maintenance Costs:

\$0	\$1,000	\$1,000	\$1,000	\$1,000	\$4,000
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● Portland Communications Center

PROJECT DETAIL

Project: UPGRADE EMERGENCY POWER AT PORTLAND COMMUNICATIONS CENTER

Objectives:

System: City Support

Maintain Capital Stock

Program: Portland Communications Center

Upgrade Existing System

Expansion or New Construction

X

Project Description:

This project will conduct tests on the capacity of the back-up generators, and if loads permit, connect all electrical service in the building to an emergency generator. This project will extend emergency generator power to all electrical service in the facility. As originally designed, only "vital" services are connected to the back-up generator. Recent power failures have demonstrated the need for all building electrical power to be on the back-up generator.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Portland Comm Ctr Rental Rate	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000
Total	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	15,000	0	0	0	0	15,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	45,000	0	0	0	0	45,000
Total Annual Costs	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: EMERGENCY OPERATIONS CENTER IMPROVEMENTS

Objectives:

System: City Support

Maintain Capital Stock

Program: Portland Communications Center

Upgrade Existing System

Expansion or New Construction

X

Project Description:

This project will upgrade the HVAC within the EOC space to accommodate the requirements during an emergency or drill and will increase the UPS electrical service. Unlike other tenants of the Communication Center, the EOC space within the building was not programmed for their unique needs during the building design and construction. Now that the EOC is occupying the building, adjustments to the space are necessary to accommodate the EOC operations.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Portland Communications Cent	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
Total	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	11,600	0	0	0	0	11,600
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	28,400	0	0	0	0	28,400
Total Annual Costs	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: CITY WIDE SPACE PLANNING

System: City Support
Program: Space Planning

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

X

Project Description:

This project will contract for professional services to conduct a city-wide space planning study for City bureaus. It will produce a space plan that will identify and coordinate space decisions over the next decade. This project will provide a comprehensive assessment and plan to coordinate the City's space requirements, particularly during the next 5 years. The requirements of individual bureaus will be forecast and opportunities for responsible decisions identified.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000
Total	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	50,000	0	0	0	0	50,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	0	0	0	0	0	0	0
Total Annual Costs	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000

Estimated Additional Operating/Maintenance Costs:

\$ 0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PRIOR YEARS' MASTER LEASE PAYMENTS*

Objectives:

System: *City Support*

Maintain Capital Stock

Program: *Prior Years' Master Lease Payments*

Upgrade Existing System

Expansion or New Construction

X

Project Description:

This program and project do not contain any proposals for capital improvements. It is only a schedule of General Services' Master Lease interest and principal payment obligations by fund over the next five years.

Funding Sources:

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$898,700	\$201,000	\$191,000	\$91,000	\$0	\$0	\$1,381,700
Portland Building Rental Rates	60,500	19,800	19,000	0	0	0	99,300
Total	\$959,200	\$220,800	\$210,000	\$91,000	\$0	\$0	\$1,481,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Principal and Interest	959,200	220,800	210,000	91,000	0	0	1,481,000
Total Annual Costs	\$959,200	\$220,800	\$210,000	\$91,000	\$0	\$0	\$1,481,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: **REMODEL AUTOPORT SPACE**

System: **City Support**
Program: **Printing/Distribution Services**

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

This project includes both HVAC and general improvements to the Printing/Distribution Services space at the Autoport parking garage. The current heating/cooling system was designed for general office space. Printing operations have additional requirements for ventilation to provide clean, safe air. This project will provide a new HVAC system for this space based on current requirements and energy efficiency objectives. Included in general improvements are space re-arrangements to permit the expansion of electronic reproduction, including new equipment, a revised arrangement of staff workstations and the re-location of sanitary facilities. These general improvements will permit an improved work flow, reduced handwork, and reduced inventory space.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Printing/Distribution Svcs Fund	\$55,000	\$296,500	\$0	\$0	\$0	\$0	\$351,500
Autoport Fund	95,000	0	0	0	0	0	95,000
Debt Sale	0	110,000	0	0	0	0	110,000
Total	\$150,000	\$406,500	\$0	\$0	\$0	\$0	\$556,500

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Mgmt	55,300	83,300	0	0	0	0	138,600
Site Acquisition	0	0	0	0	0	0	0
Construction/Maintenance	94,700	323,200	0	0	0	0	417,900
Total Annual Costs	\$150,000	\$406,500	\$0	\$0	\$0	\$0	\$556,500

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *TRAFFIC ENFORCEMENT/EDUCATION*

System: *Police*
Program: *Neighborhood Policing Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This package includes the purchase of 12 radar guns, which are an effective method of traffic enforcement pertaining to neighborhood traffic problems, DUII arrests, and PUC enforcement. The purchase of Laser Transit Mapping for Traffic Investigation is included. This package consists of the necessary equipment to utilize the laser transit for accurate accident scene diagrams, software packages for accident investigation or reconstruction, training for the new equipment and the necessary computer and associated hardware. A PUC Inspection Pad (off-road pull-out site), needed for officer safety, is also funded.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$32,432	\$0	\$0	\$0	\$0	\$32,432
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$32,432	\$0	\$0	\$0	\$0	\$32,432

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	32,432	0	0	0	0	32,432
Total Annual Costs	\$0	\$32,432	\$0	\$0	\$0	\$0	\$32,432

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
		\$6,684	\$7,018	\$7,369	\$7,737	\$8,124	\$36,932

Project: *HANDGUNS*

System: *Police*
Program: *Support Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project provides for the purchase of handguns for police officers per the agreement between the Portland Police Association and the City of Portland. It provides funding for four years and is in the 2nd year.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$0	\$200,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$0	\$200,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	50,000	50,000	50,000	50,000	0	0	200,000
Total Annual Costs	\$50,000	\$50,000	\$50,000	\$50,000	\$0	\$0	\$200,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
		\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: *SPECIALIZED FLEET REQUIREMENTS*

Objectives:

System: *Police*
Program: *Support Services*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This project, in its 2nd year, has enhanced the Bureau's fleet inventory to help maintain and improve services requiring this specialized equipment. The first year equipment consists of two suburbans for SERT, six investigative staff cars, one explosive disposal trailer, one IAD staff car, 3 gang investigations cars, one citizens academy van.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$311,000	\$34,000	\$0	\$0	\$0	\$0	\$345,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$311,000	\$34,000	\$0	\$0	\$0	\$0	\$345,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	311,000	34,000	0	0	0	0	345,000
Total Annual Costs	\$311,000	\$34,000	\$0	\$0	\$0	\$0	\$345,000

Estimated Additional Operating/Maintenance Costs:

	\$21,000	\$22,050	\$23,153	\$24,311	\$25,527	\$116,040
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Project: *BUREAU WIDE COMPUTER NETWORK*

Objectives:

System: *Police*
Program: *Support Services*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This project will improve coordination of efforts, promote information sharing, and share computer resources. The network will provide electronic mail, automated scheduling of meetings, automated distribution of memos, and improved sharing of information. The requested items consist of three file servers, thirty PC workstations and Mapinfo access at the precincts.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$70,000	\$79,000	\$0	\$0	\$0	\$0	\$149,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$70,000	\$79,000	\$0	\$0	\$0	\$0	\$149,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	70,000	79,000	0	0	0	0	149,000
Total Annual Costs	\$70,000	\$79,000	\$0	\$0	\$0	\$0	\$149,000

Estimated Additional Operating/Maintenance Costs:

	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$45,000
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PROJECT DETAIL

Project: *EXPLOSIVE DISPOSAL PACKAGE*

System: *Police*
Program: *Neighborhood Policing Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This package provides for acquisition of the ANDROS series robot to replace the bureau's current robot. This robot is certified for hazardous materials handling. Safety, ease of operation and parts availability, as well as use by federal and military agencies, are all selling points. This request includes one controller and two remote units. One full body bomb suit and replacement of the SERT Team ballistic protective tactical vests, of which 2/3 are 10 years old, make-up the rest of the package.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$180,525	\$0	\$0	\$0	\$0	\$180,525
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$180,525	\$0	\$0	\$0	\$0	\$180,525

Costs/Schedule:							
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	180,525	0	0	0	0	180,525
Total Annual Costs	\$0	\$180,525	\$0	\$0	\$0	\$0	\$180,525

Estimated Additional Operating/Maintenance Costs:						
	\$0	\$8,000	\$8,400	\$8,820	\$9,261	\$34,481

Project: *INVESTIGATIVE ENHANCEMENT PACKAGE*

System: *Police*
Program: *Investigative Services*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

This package includes a new Throw Phone and training in the use of it for the Hostage Negotiating Team; video equipment for the Combat Auto Theft Program, car prowls and graffiti; a microwave transmitter, two antennas, bodywire receiver and transmitter for DVD investigations. It also provides funding for a video enhancement package in Identification for quicker and better quality surveillance photos, new dictation equipment for the Child Abuse Team and a computerized polygraph and training for the Detectives Division.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$58,383	\$0	\$0	\$0	\$0	\$58,383
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$58,383	\$0	\$0	\$0	\$0	\$58,383

Costs/Schedule:							
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	58,383	0	0	0	0	58,383
Total Annual Costs	\$0	\$58,383	\$0	\$0	\$0	\$0	\$58,383

Estimated Additional Operating/Maintenance Costs:						
	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: *TESS PAYROLL SYSTEM*

System: *Police*
Program: *Support Services*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

Currently the Police Bureau is using the City's TES payroll system and also providing hard copy timesheets to Central Payroll for FLSA purposes. With the implementation of TESS Payroll System the Police will be able to comply with FLSA standards without having to produce a hard copy timesheets. Other improvements are: more efficient payroll , error reduction, clerical time reduction, automated scheduling tool, security levels, automated signatures, and user friendly Windows environment.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
General Fund	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	60,000	0	0	0	0	60,000
Total Annual Costs	\$0	\$60,000	\$0	\$0	\$0	\$0	\$60,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
	\$0	\$9,000	\$9,000	\$9,000	\$9,000	\$9,000	\$45,000

Project: *PRECINCT FURNISHINGS*

System: *Police*
Program: *Neighborhood Policing Services*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

Replacement and new furniture for East and Southeast precincts; needed after move back to NE Burnside and into the new Outer East Precinct when completed.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Other	\$0	\$66,500	\$0	\$0	\$0	\$0	\$66,500
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$66,500	\$0	\$0	\$0	\$0	\$66,500

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	66,500	0	0	0	0	66,500
Total Annual Costs	\$0	\$66,500	\$0	\$0	\$0	\$0	\$66,500

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: *APPARATUS REPLACEMENT*

System: *City Support*
Program: *Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Replacement of four fire engines at Stations 1, 10, 15 and 41.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	On Going	\$885,781	\$974,359	\$1,071,794	\$1,178,973	\$1,296,871	\$5,407,778
Total		\$0	\$885,781	\$974,359	\$1,071,794	\$1,178,973	\$1,296,871

Costs/Schedule:

Planning							
Design/Project Management							
Site Acquisition							
Construction/Major Equipment	0	885,781	974,359	1,071,794	1,178,973	1,296,871	5,407,778
Total Annual Costs	\$0	\$885,781	\$974,359	\$1,071,794	\$1,178,973	\$1,296,871	\$5,407,778

Estimated Additional Operating/Maintenance Costs:

(\$14,000)	(\$14,000)	(\$14,000)	(\$14,000)	(\$14,000)	(\$14,000)	(\$70,000)
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Project: *TRAINING CENTER PHASE VI*

System: *City Support*
Program: *Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Phase VI of the Training Center project represents payment to the City of Portland Water Bureau for acquisition of the former Parkrose Water District Headquarters. All of the planned improvements to the property were completed in FY94-95.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$1,754,893	\$351,380	\$351,380	\$0	\$0	\$0	\$2,457,653
Realty Sales	0	0	0	0	0	0	0
PDC	135,000	0	0	0	0	0	135,000
Total	\$1,889,893	\$351,380	\$351,380	\$0	\$0	\$0	\$2,592,653

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	389,965	351,380	351,380	0	0	0	1,092,725
Construction/Major Equipment	1,499,928	0	0	0	0	0	1,499,928
Total Annual Costs	\$1,889,893	\$351,380	\$351,380	\$0	\$0	\$0	\$2,592,653

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: PRIOR YEARS MASTER LEASE

System: City Support
Program: Emergency Response

Objectives:

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Committed funding of prior years apparatus replacement purchases that were funded through the master lease program.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$8,053,188	\$460,615	\$0	\$0	\$0	\$0	\$8,513,803
Total	\$8,053,188	\$460,615	\$0	\$0	\$0	\$0	\$8,513,803

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	8,053,188	460,615	0	0	0	0	8,513,803
Total Annual Costs	\$8,053,188	\$460,615	\$0	\$0	\$0	\$0	\$8,513,803

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: SKYLINE FIRE STATION

System: City Support
Program: Emergency Response

Objectives:

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Construction of a new fire station in the Skyline and Cornell area to provide adequate fire and emergency response to the new housing developments in the area. The Skyline Fire Station will be built and operated in conjunction with the Tualatin Valley Fire and Rescue District.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000
Total	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	100,000	0	0	0	0	100,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	300,000	0	0	0	0	300,000
Total Annual Costs	\$0	\$400,000	\$0	\$0	\$0	\$0	\$400,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$580,000	\$580,000	\$580,000	\$580,000	\$580,000	\$2,320,000
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PROJECT DETAIL

Project: *LINNTON OIL GROUNDS CLEAN-UP*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Continuation of clean-up of oil fire training grounds that were severely contaminated by petroleum products. This property is owned by BPA and has been leased since 1951. This phase of the clean-up will involve the first steps in the remediation process. Prior year expenses have been for soil testing and engineering studies to establish the extent of the contamination, provide a remediation plan and to coordinate these efforts with the Department of Environmental Quality.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$732,822	\$350,000	\$350,000	\$0	\$0	\$0	\$1,432,822
Total	\$732,822	\$350,000	\$350,000	\$0	\$0	\$0	\$1,432,822

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
Planning	\$107,822	\$0	\$0	\$0	\$0	\$0	\$107,822
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	625,000	350,000	350,000	0	0	0	1,325,000
Total Annual Costs	\$732,822	\$350,000	\$350,000	\$0	\$0	\$0	\$1,432,822

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *FIRE SPRINKLER SYSTEMS*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Installation of fire sprinkler systems in all fire stations as recommended in the Public Facility Plan. This project also brings the Bureau buildings into compliance with the National Fire Protection Association recommended standards for facility safety.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$298,096	\$198,096	\$20,000	\$71,000	\$0	\$0	\$587,192
Total	\$298,096	\$198,096	\$20,000	\$71,000	\$0	\$0	\$587,192

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	298,096	198,096	20,000	71,000	0	0	587,192
Total Annual Costs	\$298,096	\$198,096	\$20,000	\$71,000	\$0	\$0	\$587,192

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PLUMBING & ASBESTOS REMOVAL*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Continuation of removal of asbestos at fire stations and other Bureau facilities. Also upgrading of plumbing systems due to age.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$250,250	\$64,750	\$75,000	\$60,000	\$60,000	\$0	\$510,000
Total	\$250,250	\$64,750	\$75,000	\$60,000	\$60,000	\$0	\$510,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	250,250	64,750	75,000	60,000	60,000	0	510,000
Total Annual Costs	\$250,250	\$64,750	\$75,000	\$60,000	\$60,000	\$0	\$510,000

Estimated Additional Operating/Maintenance Costs:

	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$1,000)	(\$5,000)
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Project: *APPARATUS BAY VENTILATION SYSTEMS*

System: *City Support*
Program: *Support for Emergency Response*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Installation of ventilation systems for exhaust fumes on apparatus floors at twenty-five fire stations. These projects are in accordance with recommendations in the Public Facility Plan.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$276,000	\$77,000	\$100,000	\$100,000	\$100,000	\$0	\$653,000
Total	\$276,000	\$77,000	\$100,000	\$100,000	\$100,000	\$0	\$653,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$276,000	\$77,000	\$100,000	\$100,000	\$100,000	\$0	\$653,000
Total Annual Costs	\$276,000	\$77,000	\$100,000	\$100,000	\$100,000	\$0	\$653,000

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *EMERGENCY GENERATORS*

System: *City Support*

Program: *Support for Emergency Response*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Installation of emergency generators at twenty fire station locations identified as emergency shelters for disaster planning.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$33,936	\$200,000	\$0	\$0	\$0	\$0	\$233,936
Total	\$33,936	\$200,000	\$0	\$0	\$0	\$0	\$233,936

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$33,936	\$200,000	\$0	\$0	\$0	\$0	233,936
Total Annual Costs	\$33,936	\$200,000	\$0	\$0	\$0	\$0	\$233,936

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *EARTHQUAKE PREPAREDNESS*

System: *City Support*

Program: *Support for Emergency Response*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

In FY93-94 Dames and Moore conducted a seismic and risk assessment for the Bureau to determine the likelihood of 45 public buildings surviving a major earthquake. The survey indicated that further examination and study should be done on buildings that show a higher probability of survival and closer examination of the 28 buildings judged likely not to survive. A contract will be awarded in FY94-95 to further study what can be done to structurally assure the survivability of these buildings. FY95-96 through FY99-2000 provides for the actual reinforcement construction and remediation of the buildings.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$123,000	\$133,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,456,000
Total	\$123,000	\$133,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,456,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
Planning	\$30,000	\$0	\$0	\$0	\$0	\$0	\$30,000
Design/Project Management	93,000	0	0	0	0	0	93,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	\$0	\$133,000	\$300,000	\$300,000	\$300,000	\$300,000	1,333,000
Total Annual Costs	\$123,000	\$133,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,456,000

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL SHEETS

Cultural and Recreation Capital System

PROJECT DETAIL

Project: COLUMBIA POOL HVAC, FILTRATION AND SHALLOWING DEEP END

System: Cultural/Recreation
Program: Aquatics

Objectives:

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Replace existing HVAC and Filtration system. Shallow deep end of pool to allow for programming of classes at the deep end.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$309,250	\$0	\$0	\$0	\$0	\$309,250
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$309,250	\$0	\$0	\$0	\$0	\$309,250

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	29,250	0	0	0	0	29,250
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	280,000	0	0	0	0	280,000
Total Annual Costs	\$0	\$309,250	\$0	\$0	\$0	\$0	\$309,250

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *COMPUTER UPGRADES*

System: *Cultural/Recreation*
Program: *Automation*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x
x

Project Description:

Upgrade existing computers within the bureau.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	40,000	0	0	0	0	40,000
Total Annual Costs	\$0	\$40,000	\$0	\$0	\$0	\$0	\$40,000

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *TENNIS CENTER FURNACE REPLACEMENT*

Objectives:

System: *Cultural/Recreation*
Program: *Facilities*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Replace the furnace at the center to allow continued heating of the building.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	45,000	0	0	0	0	45,000
Total Annual Costs	\$0	\$45,000	\$0	\$0	\$0	\$0	\$45,000

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *DISHMAN COMMUNITY CENTER HOT WATER TANK REPLACEMENT*

Objectives:

System: *Cultural/Recreation*
Program: *Aquatics*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

Replace hot water tank to allow continued availability of hot water to the public.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	30,000	0	0	0	0	30,000
Total Annual Costs	\$0	\$30,000	\$0	\$0	\$0	\$0	\$30,000

Estimated Additional Operating/Maintenance Costs:	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *PARKS 2000*

System: *Cultural/Recreation*
Program: *General Obligation Bond*

Objectives:

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x
x

Project Description:

Begin implementation of the general obligation bond projects.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
GO Bond	\$0	\$15,302,694	\$14,499,102	\$14,499,102	\$14,499,102	\$0	\$58,800,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$15,302,694	\$14,499,102	\$14,499,102	\$14,499,102	\$0	\$58,800,000

Costs/Schedule:

Planning	\$0	\$712,350	\$0	\$0	\$0	\$0	\$712,350
Design/Project Management	0	968,015	2,439,879	2,439,879	2,439,879	0	8,287,652
Site Acquisition	0	800,000	0	0	0	0	800,000
Construction/Major Equipment	0	12,822,329	12,059,223	12,059,223	12,059,223	0	48,999,998
Total Annual Costs	\$0	\$15,302,694	\$14,499,102	\$14,499,102	\$14,499,102	\$0	\$58,800,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$250,000	\$250,000	\$250,000	\$750,000
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PROJECT DETAIL

Project: EASTMORELAND PARKING LOT EXPANSION

Objectives:

System: Cultural/Recreation

Maintain Capital Stock

Program: Golf

Upgrade Existing System

Expansion or New Construction

x
x

Project Description:

Expand the existing parking lot to meet parking needs at the course.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Golf	\$0	\$280,000	\$0	\$0	\$0	\$0	\$280,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$280,000	\$0	\$0	\$0	\$0	\$280,000

Costs/Schedule:

Planning	\$0	\$10,000	\$0	\$0	\$0	\$0	\$10,000
Design/Project Management	0	20,000	0	0	0	0	20,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	250,000	0	0	0	0	250,000
Total Annual Costs	\$0	\$280,000	\$0	\$0	\$0	\$0	\$280,000

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Project: PROGRESS DOWNS COURSE REMODEL

Objectives:

System: Cultural/Recreation

Maintain Capital Stock

Program: Golf

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Second year of three year project to implement course remodel.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Golf	\$280,000	\$135,000	\$275,400	\$0	\$0	\$0	\$690,400
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$280,000	\$135,000	\$275,400	\$0	\$0	\$0	\$690,400

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	80,000	0	0	0	0	0	80,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	135,000	275,400	0	0	0	410,400
Total Annual Costs	\$80,000	\$135,000	\$275,400	\$0	\$0	\$0	\$490,400

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: ROSE CITY WALKING TRAIL

System: Cultural/Recreation

Program: Golf

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x	
x	

Project Description:

Continue construction of soft surface walking paths around the course.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Golf	\$10,000	\$20,000	\$10,000	\$0	\$0	\$0	\$40,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$10,000	\$20,000	\$10,000	\$0	\$0	\$0	\$40,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	10,000	20,000	10,000	0	0	0	40,000
Total Annual Costs	\$10,000	\$20,000	\$10,000	\$0	\$0	\$0	\$40,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project: WEST DELTA DIKE IMPROVEMENTS

System: Cultural/Recreation

Program: Golf

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x	

Project Description:

Improve west delta dike.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Golf	\$357,500	\$85,000	\$0	\$0	\$0	\$0	\$442,500
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$357,500	\$85,000	\$0	\$0	\$0	\$0	\$442,500

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	357,500	85,000	0	0	0	0	442,500
Total Annual Costs	\$357,500	\$85,000	\$0	\$0	\$0	\$0	\$442,500

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project: EASTMORELAND SIDEWALK IMPROVEMENTS

Objectives:

System: Cultural/Recreation

Maintain Capital Stock

Program: Golf

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Improve sidewalks along SE 27th as required by a conditional use master plan.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Golf	\$0	\$25,800	\$0	\$0	\$0	\$0	\$25,800
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$25,800	\$0	\$0	\$0	\$0	\$25,800

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	25,800	0	0	0	0	25,800
Total Annual Costs	\$0	\$25,800	\$0	\$0	\$0	\$0	\$25,800

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *RHODODENDRON GARDEN LOW BRIDGE REPLACEMENT*

Objectives:

System: *Cultural/Recreation*
Program: *Parks*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

This project proposes the replacement of the low bridge at the Rhododendron Garden. The bridge is heavily used and is the only route to the garden island. The bridge has expended its useful life. Replacement of the bridge will provide a safe route to and continued use of the island.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$155,000	\$0	\$0	\$0	\$0	\$155,000
Friends Group	0	40,000	0	0	0	0	40,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$195,000	\$0	\$0	\$0	\$0	\$195,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	20,000	0	0	0	0	20,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	175,000	0	0	0	0	175,000
Total Annual Costs	\$0	\$195,000	\$0	\$0	\$0	\$0	\$195,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Project: *EASTBANK RIVERFRONT PATH*

Objectives:

System: *Cultural/Recreation*
Program: *Parks*

Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x
x

Project Description:

Provide matching funds to ISTE A grant to partially develop the Eastbank project.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$300,000
ISTEA Grant	0	1,686,000	0	0	0	0	1,686,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$100,000	\$1,786,000	\$100,000	\$0	\$0	\$0	\$1,986,000

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	150,000	0	0	0	0	150,000
Site Acquisition	0	0	200,000	0	0	0	200,000
Construction/Major Equipment	0	0	1,636,000	0	0	0	1,636,000
Total Annual Costs	\$0	\$150,000	\$1,836,000	\$0	\$0	\$0	\$1,986,000

Estimated Additional Operating/Maintenance Costs:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
	\$0	\$0	\$0	\$0	\$0	\$77,000	\$77,000

PROJECT DETAIL

Project: HARNEY PARK DEVELOPMENT

Objectives:

System: Cultural/Recreation
Program: Parks

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

Complete development of Harney Park including a parking lot, ball fields, restroom, planting and irrigation.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
BCD Grant	\$200,000	\$150,000	\$150,000	\$0	\$0	\$0	\$500,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$200,000	\$150,000	\$150,000	\$0	\$0	\$0	\$500,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	20,000	35,000	0	0	0	0	55,000
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	180,000	115,000	150,000	0	0	0	445,000
Total Annual Costs	\$200,000	\$150,000	\$150,000	\$0	\$0	\$0	\$500,000

Estimated Additional Operating/Maintenance Costs:

	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$80,000
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Project: PIONEER SQUARE REHABILITATION

Objectives:

System: Cultural/Recreation
Program: Parks

Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction

x

Project Description:

This project will implement improvements at the Square as a rehabilitation and face lifting project.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
General Fund	\$0	\$100,000	\$100,000	\$100,000	\$0	\$0	\$300,000
Tri Met	0	100,000	100,000	100,000	0	0	300,000
Downtown Businesses	0	133,333	133,333	133,334	0	0	400,000
Other	0	200,000	0	0	0	0	200,000
Total	\$0	\$533,333	\$333,333	\$333,334	\$0	\$0	\$1,200,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	533,333	333,333	333,334	0	0	1,200,000
Total Annual Costs	\$0	\$533,333	\$333,333	\$333,334	\$0	\$0	\$1,200,000

Estimated Additional Operating/Maintenance Costs:

	\$16,000	\$16,000	\$16,000	\$16,000	\$16,000	\$80,000
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PROJECT DETAIL

Project: REPAVE STRAIGHTAWAY

System: Cultural/Recreation

Program: PIR

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Repave the straightaway section of the track.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
PIR	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	0	70,000	0	0	0	0	70,000
Total Annual Costs	\$0	\$70,000	\$0	\$0	\$0	\$0	\$70,000

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *COMPUTER SYSTEMS UPGRADE*

System: *City Support*
Program: *Administration*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

The Bureau of Planning FY 1995-96 Capital Budget provides for a major upgrade to the Bureau's outdated computer system. The budget provides for upgrades in the computer network and E-Mail system in addition to computer upgrades. The capital package will improve efficiencies and customer service by: 1) reduced reliance on time-consuming manual systems; 2) use of faster and updated computers to provide services and 3 improved communication ability within the Bureau. Costs below include the fee supported portion of Master Lease payments.

	Prior Years	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	
Funding Sources:							
General Fund Master Lease	\$337,308	\$34,641	\$208,810	\$0	\$0	\$158,633	\$678,599
Planning Fees	4,677	4,677	11,690	11,690	11,690	16,367	\$60,793
Total	\$341,985	\$39,318	\$220,500	\$11,690	\$11,690	\$175,000	\$800,184

Costs/Schedule:							
Planning							
Design/Project Management							
Site Acquisition							
Construction/Major Equipment	341,985	39,318	220,500	11,690	11,690	175,000	800,184
Total Annual Costs	\$341,985	\$39,318	\$220,500	\$11,690	\$11,690	\$175,000	\$800,184

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *COMPUTER SYSTEMS UPGRADE*

System: *City Support*
Program: *Administration*

Objectives:
Maintain Capital Stock
Upgrade Existing System
Expansion or New Construction

x

Project Description:

The Metropolitan Human Rights Commission's FY1995-96 capital request will enable it to upgrade office computers in order to better serve City Bureaus and constituents.

	Prior Years	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	
Funding Sources:							
General Fund Master Lease	\$0	\$16,400	\$0	\$0	\$0	\$0	\$16,400
	0	0	0	0	0	0	\$0
Total	\$0	\$16,400	\$0	\$0	\$0	\$0	\$16,400

	Prior Years	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	
Costs/Schedule:							
Planning							
Design/Project Management							
Site Acquisition							
Construction/Major Equipment	0	16,400	0	0	0	0	16,400
Total Annual Costs	\$0	\$16,400	\$0	\$0	\$0	\$0	\$16,400

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *Arena Construction and Improvements*

System: *Cultural/Recreation*

Program: *Plaza*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Construct and improve open space area to facilitate events.

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Note Proceeds	\$2,722,648	\$2,277,855	\$0	\$0	\$0	\$0	\$5,000,503
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$2,722,648	\$2,277,855	\$0	\$0	\$0	\$0	\$5,000,503

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$759,560	\$179,874	\$0	\$0	\$0	\$0	\$939,434
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	1,963,088	2,097,981	0	0	0	0	4,061,069
Total Annual Costs	\$2,722,648	\$2,277,855	\$0	\$0	\$0	\$0	\$5,000,503

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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Project: *Arena Construction*

System: *Cultural/Recreation*

Program: *Parking*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Complete construction and improvement of the east public parking garage that which will support event Arena parkin

Funding Sources:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Note Proceeds	\$650,235	\$1,659,602	\$0	\$0	\$0	\$0	\$2,309,837
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$650,235	\$1,659,602	\$0	\$0	\$0	\$0	\$2,309,837

Costs/Schedule:	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Planning	\$650,235	\$123,711	\$0	\$0	\$0	\$0	\$773,946
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	2,088,686	1,535,891	0	0	0	0	3,624,577
Total Annual Costs	\$2,738,921	\$1,659,602	\$0	\$0	\$0	\$0	\$4,398,523

Estimated Additional Operating/Maintenance Costs:

\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project: *Arena Construction*

System: *Cultural/Recreation*

Program: *Roads*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x

Project Description:

Upgrade existing infrastructure around the Arena Project.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Note Proceeds	\$2,232,837	\$1,752,249	\$0	\$0	\$0	\$0	\$3,985,086
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$2,232,837	\$1,752,249	\$0	\$0	\$0	\$0	\$3,985,086

Costs/Schedule:

Planning	\$2,232,837	\$220,186	\$0	\$0	\$0	\$0	\$2,453,023
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	7,170,540	1,532,063	0	0	0	0	8,702,603
Total Annual Costs	\$9,403,377	\$1,752,249	\$0	\$0	\$0	\$0	\$11,155,626

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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Project: *Arena Construction*

System: *Cultural / Recreation*

Program: *Miscellaneous*

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction

x
x

Project Description:

Upgrade existing improvements.

Funding Sources:

	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 00-01	TOTAL
Note Proceeds	\$1,985,377	\$1,226,994	\$0	\$0	\$0	\$0	\$3,212,371
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
	0	0	0	0	0	0	0
Total	\$1,985,377	\$1,226,994	\$0	\$0	\$0	\$0	\$3,212,371

Costs/Schedule:

Planning	\$477,476	\$566,193	\$0	\$0	\$0	\$0	\$1,043,669
Design/Project Management	0	0	0	0	0	0	0
Site Acquisition	0	0	0	0	0	0	0
Construction/Major Equipment	1,507,901	660,801	0	0	0	0	2,168,702
Total Annual Costs	\$1,985,377	\$1,226,994	\$0	\$0	\$0	\$0	\$3,212,371

Estimated Additional Operating/Maintenance Costs:

	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL SHEETS

Economic Development Capital System

PROJECT DETAIL

Project: Block 50 Redevelopment

System: Economic Development

Program: Downtown

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction X

Project Description:

Construction of a two-floor addition to 4th & Yamhill garage.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDC Funds	\$110,000					\$110,000
Parking Revenue Bonds		250,000	2,000,000			2,250,000
Total	\$110,000	\$250,000	\$2,000,000	\$0	\$0	\$2,360,000
Costs/Schedule:						
Planning		\$100,000				\$100,000
Design/Project Management						0
Site Acquisition						0
Construction/Major Equipment	110,000	150,000	2,000,000			2,260,000
Total Annual Costs	\$110,000	\$250,000	\$2,000,000	\$0	\$0	\$2,360,000

PROJECT DETAIL

Project: Water Avenue Extension LID

System: Economic Development
 Program: Central Eastside District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Extend Water Avenue from OMSI to Division Place

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
LID	\$450,000	\$2,500,000				\$2,950,000
						0
						0
						0
Total	\$450,000	\$2,500,000	\$0	\$0	\$0	\$2,950,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	50,000	50,000				100,000
Site Acquisition						0
Construction/Major Equipment	400,000	2,450,000				2,850,000
Total Annual Costs	\$450,000	\$2,500,000	\$0	\$0	\$0	\$2,950,000

PROJECT DETAIL

Project: Eastbank Riverfront Park

Objectives:

System: Economic Development

Maintain Capital Stock

Program: Central Eastside District

Upgrade Existing System

Expansion or New Construction X

Project Description:

Construct trail and other park facilities on east bank of Willamette River.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
Federal Funds, General Fund, GO Bonds	\$50,000	\$3,100,000	\$3,100,000			\$6,250,000
Total	\$50,000	\$3,100,000	\$3,100,000	\$0	\$0	\$6,250,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	10,000	100,000	100,000			210,000
Site Acquisition	10,000					10,000
Construction/Major Equipment	30,000	\$3,000,000	\$3,000,000			6,030,000
Total Annual Costs	\$50,000	\$3,100,000	\$3,100,000	\$0	\$0	\$6,250,000

PROJECT DETAIL

Project: Central Eastside Redevelopment

System: Economic Development

Program: Central Eastside District

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction X

Project Description:

Complete redevelopment of a four block site in the Central Eastside.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDC Funds (Land Sale)	\$600,000	\$600,000				\$1,200,000
						0
Total	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	40,000	40,000				80,000
Site Acquisition	500,000	500,000				1,000,000
Construction/Major Equipment	60,000	60,000				120,000
Total Annual Costs	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000

PROJECT DETAIL

Project: 40-Mile Loop Trail

System: Economic Development
 Program: Airport Way/Columbia Corridor

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:

Design and construct key trail segments in Airport Way along the Columbia Slough.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDC Resources	\$90,000	\$90,000				\$180,000
(Parks Trust Fund)						0
Total	\$90,000	\$90,000	\$0	\$0	\$0	\$180,000
Costs/Schedule:						
Planning						\$0
Design/Project Management						0
Site Acquisition						0
Construction/Major Equipment	90,000	90,000				180,000
Total Annual Costs	\$90,000	\$90,000	\$0	\$0	\$0	\$180,000

PROJECT DETAIL

Project: MLK Development Opportunity Strategy Implementation

Objectives:

System: Economic Development

Maintain Capital Stock

Program: Inner Northeast

Upgrade Existing System

Expansion or New Construction X

Project Description:

Assist in implementation of projects described in the MLK Boulevard Opportunity Strategy.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
BHCD - Contract	\$180,000	\$180,000	\$100,000	\$80,000		\$540,000 0
Total	\$180,000	\$180,000	\$100,000	\$80,000	\$0	\$540,000
Costs/Schedule:						
Planning	\$97,000					\$97,000
Design/Project Management	83,000	90,000	40,000	30,000		243,000
Site Acquisition						0
Construction/Major Equipment		90,000	60,000	50,000		200,000
Total Annual Costs	\$180,000	\$180,000	\$100,000	\$80,000	\$0	\$540,000

PROJECT DETAIL

Project: MLK Streetscape Plan

System: Economic Development

Program: Inner Northeast

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction X

Project Description:

Prepare streetscape master plan for improvements along MLK Boulevard.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund Capital Setaside	\$600,000	\$600,000				\$1,200,000
						0
						0
						0
Total	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000
 Costs/Schedule:						
Planning	\$10,000					\$10,000
Design/Project Management	50,000					50,000
Site Acquisition	200,000					200,000
Construction/Major Equipment	340,000	600,000				940,000
Total Annual Costs	\$600,000	\$600,000	\$0	\$0	\$0	\$1,200,000

PROJECT DETAIL

Project: MLK Retail Site Development

System: Economic Development

Program: Inner Northeast

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction X

Project Description:

Acquire two key sites and carry out predevelopment activities to support new retail development.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund Set-Aside	\$800,000	\$800,000	\$800,000			\$2,400,000
						0
						0
Total	\$800,000	\$800,000	\$800,000	\$0	\$0	\$2,400,000
Costs/Schedule:						
Planning	\$50,000	\$50,000				\$100,000
Design/Project Management	50,000	50,000	40,000			140,000
Site Acquisition	250,000	250,000				500,000
Construction/Major Equipment	450,000	450,000	760,000			1,660,000
Total Annual Costs	\$800,000	\$800,000	\$800,000	\$0	\$0	\$2,400,000

PROJECT DETAIL

Project: South Waterfront River Parkway

Objectives:

System: Economic Development

Maintain Capital Stock

Program: North Macadam/South Waterfront

Upgrade Existing System

Expansion or New Construction X

Project Description:

Construct the South River Parkway to serve Pacific Gas Transmission.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
ODOT - IOF Grant	\$134,000					\$134,000
PDC Funds	134,000					134,000
Total	\$268,000	\$0	\$0	\$0	\$0	\$268,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	10,000					10,000
Site Acquisition						0
Construction/Major Equipment	258,000					258,000
Total Annual Costs	\$268,000	\$0	\$0	\$0	\$0	\$268,000

PROJECT DETAIL

Project: South Waterfront Greenway Development

System: Economic Development
 Program: North Macadam/South Waterfront

Objectives:
 Maintain Capital Stock
 Upgrade Existing System
 Expansion or New Construction X

Project Description:
 Extend Waterfront Park from RiverPlace to the Marquam Bridge.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDC Funds	\$200,000					\$200,000
ROI Tax Increment		1,000,000				1,000,000
Total	\$200,000	\$1,000,000	\$0	\$0	\$0	\$1,200,000
Costs/Schedule:						
Planning						\$0
Design/Project Management		50,000				50,000
Site Acquisition						0
Construction/Major Equipment	200,000	950,000				1,150,000
Total Annual Costs	\$200,000	\$1,000,000	\$0	\$0	\$0	\$1,200,000

PROJECT DETAIL

Project: Union Station Restoration

System: Economic Development
 Program: River District

Objectives:

Maintain Capital Stock X
 Upgrade Existing System
 Expansion or New Construction

Project Description:

Renovate Union Station to upgrade its seismic condition.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDC Funds	\$114,000	\$107,000				\$221,000
Total	\$114,000	\$107,000	\$0	\$0	\$0	\$221,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	14,000	7,000				21,000
Site Acquisition						0
Construction/Major Equipment	100,000	100,000				200,000
Total Annual Costs	\$114,000	\$107,000	\$0	\$0	\$0	\$221,000

PROJECT DETAIL

Project: River District - Public Infrastructure

System: Economic Development
 Program: River District

Objectives:
 Maintain Capital Stock
 Upgrade Existing System X
 Expansion or New Construction X

Project Description:

Land acquisition and improvements along the Willamette riverfront between the Steel and Fremont bridges to create new public access and open space. Final design and PUC approval of Third Ave. and pedestrian crossings at Union Station; design of pedestrian improvements at Front Avenue.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
General Fund	\$1,517,000	\$3,830,000	\$3,750,000	\$800,000	\$760,000	\$10,657,000
Total	\$1,517,000	\$3,830,000	\$3,750,000	\$800,000	\$760,000	\$10,657,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	350,000	100,000	100,000	90,000	30,000	670,000
Site Acquisition	150,000	150,000				300,000
Construction/Major Equipment	1,017,000	3,580,000	3,650,000	710,000	730,000	9,687,000
Total Annual Costs	\$1,517,000	\$3,830,000	\$3,750,000	\$800,000	\$760,000	\$10,657,000

PROJECT DETAIL

Project: Reopen NW 8th Avenue

System: Economic Development

Program: River District

Objectives:

Maintain Capital Stock

Upgrade Existing System

Expansion or New Construction X

Project Description:

Reopen NW 8th Avenue between Glisan and Hoyt Streets.

Funding Sources:	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-2000	TOTAL
PDOT Contract	\$27,000					\$27,000
						0
						0
						0
Total	\$27,000	\$0	\$0	\$0	\$0	\$27,000
Costs/Schedule:						
Planning						\$0
Design/Project Management	27,000					27,000
Site Acquisition						0
Construction/Major Equipment						0
Total Annual Costs	\$27,000	\$0	\$0	\$0	\$0	\$27,000

PROJECT DETAIL SHEETS

Sewage Capital System

PROJECT DETAIL

Project Title: **1994-1995 SEWER PROJECTS**
 Project Ranking: **1**
 Project Identification Number: **4994, 5042, 5043, 5044, 5045, 5046, 5047**
 System: **SEWAGE**
 Program: **MID COUNTY SEWER PROJECT**

Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$346,238	\$1,144,542	\$903,690	\$18,617,370	\$17,492,093	\$0	\$0	\$0	\$0	\$17,492,093	\$0	$37,359,391
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$346,238	\$1,144,542	\$903,690	\$18,617,370	\$17,492,093	\$0	\$0	\$0	\$0	\$17,492,093	\$0	\$37,359,391

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$329,897	\$8,101	\$278,111	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$286,212
Design/Project Management	346,238						0	0	0	0	0	\$346,238
City		762,313	603,369	435,874	0	0						
Contracted		28,000	264,578	0	0	0						
Site Acquisition	0	17,000	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	17,492,093	0	\$17,492,093
City		7,332	17,146	1,012,513	1,258,515	0						
Contracted		0	10,496	16,890,872	16,233,578	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$346,238	\$1,144,542	\$903,690	\$18,617,370	\$17,492,093	\$0	\$0	\$0	\$0	\$17,492,093	\$0	\$37,359,391

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$59,345	\$59,345	\$59,345	\$59,345	\$59,345	\$237,380	\$0	\$237,380
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **1995-1996 SEWER PROJECTS**

Project Ranking: **2**

Project Identification Number: **5048, 5049, 5050, 5051, 5052, 5053, 5054**

System: **SEWAGE**

Program: **MID COUNTY SEWER PROJECT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$19,551	\$657,730	\$158,473	\$750,362	\$14,378,115	\$14,229,263	\$0	\$0	\$0	\$28,607,378	\$0	$29,535,764
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$19,551	\$657,730	\$158,473	\$750,362	\$14,378,115	\$14,229,263	\$0	\$0	\$0	\$28,607,378	\$0	\$29,535,764

Costs/Schedule:

Planning	\$0	\$235,459	\$1,218	\$328,530	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$329,748
Design/Project Management	19,551						0	0	0	504,077	0	\$523,628
City		402,271	119,602	401,832	276,311	0						
Contracted		20,000	37,653	0	227,766	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	28,103,301	0	\$28,103,301
City		0	0	20,000	1,210,217	1,176,544						
Contracted		0	0	0	12,663,821	13,052,719						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$19,551	\$657,730	\$158,473	\$750,362	\$14,378,115	\$14,229,263	\$0	\$0	\$0	\$28,607,378	\$0	\$29,535,764

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$50,686	\$50,686	\$50,686	\$152,058	\$0	\$152,058
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: 1996-1997 SEWER PROJECTS

Project Ranking: 3

Project Identification Number: 5055, 5056, 5057

System: SEWAGE

Program: MID COUNTY SEWER PROJECT

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$5,693	\$0	\$4,431	\$4,556	\$738,085	\$11,784,105	\$4,010,279	\$0	\$0	\$16,532,469	\$0	$16,547,149
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$5,693	\$0	\$4,431	\$4,556	\$738,085	\$11,784,105	\$4,010,279	\$0	\$0	\$16,532,469	\$0	\$16,547,149

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$746	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$746
Design/Project Management	5,693						0	0	0	581,279	0	\$586,972
City		0	3,333	4,556	338,558	41,379						
Contracted		0	352	0	201,342	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						4,010,279	0	0	15,951,190	0	\$15,951,190
City		0	0	0	198,185	1,036,222						
Contracted		0	0	0	0	10,706,504						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$5,693	\$0	\$4,431	\$4,556	\$738,085	\$11,784,105	\$4,010,279	\$0	\$0	\$16,532,469	\$0	\$16,547,149

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$26,468	\$26,468	\$52,936	\$0	\$52,936
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **MINOR SEWER EXTENSIONS**

Project Ranking: **4**

Project Identification Number: **MANY**

System: **SEWAGE**

Program: **MID COUNTY SEWER PROJECT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$629,148	\$1,011,483	\$1,906,651	\$273,600	\$180,000	\$100,000	\$0	\$0	\$0	\$280,000	\$0	$3,089,399
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$629,148	\$1,011,483	\$1,906,651	\$273,600	\$180,000	\$100,000	\$0	\$0	\$0	\$280,000	\$0	\$3,089,399

Costs/Schedule:

Planning	\$12,450	\$4,747	\$7,540	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$19,990
Design/Project Management	122,565						0	0	0	11,200	0	\$133,765
City		9,302	60,678	0	7,200	4,000						
Contracted		0	18,599	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	494,133						0	0	0	268,800	0	\$762,933
City		29,905	56,329	55,800	0	0						
Contracted		967,529	1,763,505	217,800	172,800	96,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$629,148	\$1,011,483	\$1,906,651	\$273,600	\$180,000	\$100,000	\$0	\$0	\$0	\$280,000	\$0	\$3,089,399

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$342	\$532	\$532	\$532	\$1,938	\$0	\$1,938
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP HEADWORKS**

Project Ranking: **1**

Project Identification Number: **4958**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year			FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97						
Sewer Construction Fund	\$1,718,391	\$2,498,076	\$2,433,577	\$12,560,000	\$10,022,400	\$2,000,000	\$0	\$0	\$0	\$12,022,400	\$0	\$28,734,368
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,718,391	\$2,498,076	\$2,433,577	\$12,560,000	\$10,022,400	\$2,000,000	\$0	\$0	\$0	\$12,022,400	\$0	\$28,734,368

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year			FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97						
Planning	\$84,456	\$1,200	\$361,311	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$445,767
Design/Project Management	1,631,266						0	0	0	820,000	0	\$2,451,266
City		45,840	81,529	110,000	200,000	20,000						
Contracted		2,441,202	1,955,514	1,156,200	480,000	120,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	2,669						0	0	0	11,202,400	0	\$11,205,069
City		9,834	22,795	0	0	0						
Contracted		0	12,429	11,293,800	9,342,400	1,860,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,718,391	\$2,498,076	\$2,433,577	\$12,560,000	\$10,022,400	\$2,000,000	\$0	\$0	\$0	\$12,022,400	\$0	\$28,734,368

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **INVERNESS FORCE MAIN**

Project Ranking: **2**

Project Identification Number: **5152**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYTEMS**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$796	\$200,000	\$102,211	\$980,200	\$1,172,200	\$7,986,000	\$9,982,500	\$1,996,500	\$0	\$21,137,200	\$0	\$22,220,407
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$796	\$200,000	\$102,211	\$980,200	\$1,172,200	\$7,986,000	\$9,982,500	\$1,996,500	\$0	\$21,137,200	\$0	\$22,220,407

Costs/Schedule:

Planning	\$796	\$200,000	\$90,433	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$91,229
Design/Project Management	0						618,950	126,790	0	2,222,940	0	\$2,222,940
City		0	11,147	37,700	30,000	25,000						
Contracted		0	0	742,500	942,200	480,000						
Site Acquisition	0	0	0	200,000	200,000	0	0	0	0	200,000	0	\$400,000
Construction	0						9,363,550	1,869,710	0	18,714,260	0	\$18,714,260
City		0	631	0	0	0						
Contracted		0	0	0	0	7,481,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$796	\$200,000	\$102,211	\$980,200	\$1,172,200	\$7,986,000	\$9,982,500	\$1,996,500	\$0	\$21,137,200	\$0	\$22,220,407

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	(\$12,000)	(\$12,000)	(\$24,000)	\$0	(\$24,000)

PROJECT DETAIL

Project Title: **CBWTP LAGOON RENOVATION**

Objectives:

Project Ranking: **3**

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

Project Identification Number: **4451**

System: **SEWAGE**

Program: **SEWERAGE TREATMENT SYSTEMS**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$7,680,431	\$2,800,000	\$2,621,437	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$1,250,000	\$10,000,000	\$0	$22,801,868
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$7,680,431	\$2,800,000	\$2,621,437	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$1,250,000	\$10,000,000	\$0	\$22,801,868

Costs/Schedule:

Planning	\$3,728	\$0	\$137	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,865
Design/Project Management	1,248,568						150,000	125,000	125,000	700,000	0	\$1,948,568
City		0	76	100,000	100,000	100,000						
Contracted		0	51,710	50,000	50,000	50,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	6,428,135						2,350,000	1,125,000	1,125,000	9,300,000	0	\$15,728,135
City		61,131	288,812	0	0	0						
Contracted		2,738,869	2,142,950	2,350,000	2,350,000	2,350,000						
Major Equipment	0	0	137,752	0	0	0	0	0	0	0	0	\$137,752
Total Annual Costs	\$7,680,431	\$2,800,000	\$2,621,437	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$1,250,000	\$1,250,000	\$10,000,000	\$0	\$22,801,868

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CBWTP ODOR CONTROL PROJECTS**

Project Ranking: **4**

Project Identification Number: **4563**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year						5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Sewer Construction Fund	\$526,610	\$0	\$2,890	\$326,800	\$612,000	\$320,000	\$1,132,500	\$1,132,500	\$1,020,000	\$4,217,000	\$1,400,000	\$6,473,300
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$526,610	\$0	\$2,890	\$326,800	\$612,000	\$320,000	\$1,132,500	\$1,132,500	\$1,020,000	\$4,217,000	\$1,400,000	\$6,473,300

Costs/Schedule:

Planning	\$0	\$0	\$2,890	\$0	\$0	\$50,000	\$0	\$0	\$25,000	\$75,000	\$0	\$77,890
Design/Project Management	0						109,000	109,000	64,200	634,200	140,000	\$774,200
City		0	0	3,800	7,000	10,000						
Contracted		0	0	95,000	75,000	260,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	526,610						1,023,500	1,023,500	930,800	3,507,800	1,260,000	\$5,294,410
City		0	0	0	0	0						
Contracted		0	0	228,000	530,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$526,610	\$0	\$2,890	\$326,800	\$612,000	\$320,000	\$1,132,500	\$1,132,500	\$1,020,000	\$4,217,000	\$1,400,000	\$6,473,300

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **REPAIR, REHAB, MAINTENANCE**

Objectives:

Project Ranking: **5**

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Project Identification Number: **4891**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$633,653	\$1,745,700	\$1,313,111	\$1,662,400	\$1,440,400	\$1,885,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,825,400	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$633,653	\$1,745,700	\$1,313,111	\$1,662,400	\$1,440,400	\$1,885,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,825,400	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$800	\$20,123	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	63,365						200,000	200,000	200,000	955,000		\$0
City		36,000	40,392	40,000	55,000	65,000						
Contracted		0	10,688	120,000	100,000	135,000						
Site Acquisition	0	0	32,700	0	0	0	0	0	0	0	0	\$0
Construction	570,288						2,000,000	2,000,000	2,000,000	8,570,400	0	\$0
City		65,945	59,484	0	0	0						
Contracted		1,642,955	1,122,192	1,392,400	1,135,400	1,435,000						
Major Equipment	0	0	27,532	100,000	150,000	250,000	300,000	300,000	300,000	1,300,000	0	\$0
Total Annual Costs	\$633,653	\$1,745,700	\$1,313,111	\$1,662,400	\$1,440,400	\$1,885,000	\$2,500,000	\$2,500,000	\$2,500,000	\$10,825,400	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	(\$151,350)	(\$151,350)	(\$151,350)	(\$151,350)	(\$151,350)	(\$151,350)	(\$151,350)	(\$151,350)	(\$756,750)	\$0	(\$756,750)

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PROJECT DETAIL

Project Title: **PUMP STATION IMPROVEMENT PROGRAM**

Project Ranking: **6**

Project Identification Number: **4661**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$3,307,211	\$777,216	\$651,168	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$12,500,000	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$3,307,211	\$777,216	\$651,168	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$12,500,000	On-going	On-going

Costs/Schedule:

Planning	\$0	\$0	\$90,709	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	330,721						420,000	420,000	420,000	2,100,000		\$0
City		118,953	45,957	140,000	165,000	165,000						
Contracted		60,000	67,173	610,000	255,000	255,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	2,976,490						2,080,000	2,080,000	2,080,000	10,400,000	0	\$0
City		71,377	42,930	50,000	0	0						
Contracted		501,886	404,399	0	2,080,000	2,080,000						
Major Equipment	0	25,000	0	500,000	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$3,307,211	\$777,216	\$651,168	\$1,300,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$12,500,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP PNEUMATIC CONVEYANCE**

Objectives:

Project Ranking: **7**

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Project Identification Number: **4650**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$301,081	\$0	\$228,681	\$104,000	\$140,000	\$1,495,750	\$0	\$0	\$0	\$1,635,750	\$0	$2,269,512
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$301,081	\$0	\$228,681	\$104,000	\$140,000	\$1,495,750	\$0	\$0	\$0	\$1,635,750	\$0	\$2,269,512

Costs/Schedule:

Planning	\$2,766	\$0	\$3,517	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,283
Design/Project Management	277,957						0	0	0	225,000	0	\$502,957
City	0	0	859	4,000	5,000	4,000						
Contracted	0	0	51,121	100,000	135,000	81,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	20,358						0	0	0	1,410,750	0	\$1,431,108
City	0	0	3,552	0	0	0						
Contracted	0	0	169,632	0	0	1,410,750						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$301,081	\$0	\$228,681	\$104,000	\$140,000	\$1,495,750	\$0	\$0	\$0	\$1,635,750	\$0	\$2,269,512

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP SECONDARY BYPASS RELIEF**

Project Ranking: **8**

Project Identification Number: **5388**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$0	\$398,320	\$0	\$434,720
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$0	\$398,320	\$0	\$434,720

Costs/Schedule:												
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	22,000	0	\$22,000
City		0	0	1,400	7,000	0						
Contracted		0	0	35,000	15,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	376,320	0	\$376,320
City		0	0	0	0	0						
Contracted		0	0	0	376,320	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$36,400	\$398,320	\$0	\$0	\$0	\$0	\$398,320	\$0	\$434,720

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP REUSE WATER SYSTEM**

Project Ranking: **9**

Project Identification Number: **5210**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$16,651	\$808,000	\$580,000	\$0	\$0	\$0	\$0	\$580,000	\$0	$1,404,651
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$16,651	\$808,000	\$580,000	\$0	\$0	\$0	\$0	\$580,000	\$0	\$1,404,651

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$10,840	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,840
Design/Project Management	0	0	0	0	0	0	0	0	0	52,000	0	\$52,000
City		0	5,798	8,000	12,000	0						
Contracted		0	0	200,000	40,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	528,000	0	\$528,000
City		0	14	0	0	0						
Contracted		0	0	600,000	528,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$16,651	\$808,000	\$580,000	\$0	\$0	\$0	\$0	\$580,000	\$0	\$1,404,651

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	(\$85,000)	(\$85,000)	(\$85,000)	(\$85,000)	(\$85,000)	(\$85,000)	(\$85,000)	(\$340,000)	\$0	(\$340,000)

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PROJECT DETAIL

Project Title: **CBWTP FACILITIES PLAN UPDATE**

Objectives:

Project Ranking: **10**

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Project Identification Number: **5325**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$12,012	\$404,000	\$116,000	\$0	\$0	\$0	\$0	\$116,000	\$0	$532,012
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$12,012	\$404,000	\$116,000	\$0	\$0	\$0	\$0	\$116,000	\$0	\$532,012

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$11,450	\$400,000	\$100,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$511,450
Design/Project Management	0	0	295	4,000	16,000	0	0	0	0	16,000	0	\$16,000
City		0	295	4,000	16,000	0	0	0	0	16,000	0	
Contracted		0	0	0	0	0	0	0	0	0	0	
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	0	\$0
City		0	267	0	0	0	0	0	0	0	0	
Contracted		0	0	0	0	0	0	0	0	0	0	
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$12,012	\$404,000	\$116,000	\$0	\$0	\$0	\$0	\$116,000	\$0	\$532,012

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **PRE-DESIGN STUDIES**

Project Ranking: **11**

Project Identification Number: **4846**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$35,000	\$159,800	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$35,000	\$159,800	On-going	On-going

Costs/Schedule:

Planning	\$0	\$0	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$33,500	\$153,500	\$0	\$0
Design/Project Management	0						1,200	1,200	1,500	6,300		\$0
City		0	0	1,200	1,200	1,200						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$31,200	\$31,200	\$31,200	\$31,200	\$31,200	\$35,000	\$159,800	On-going	On-going

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP AUTOMATION PROJECTS**

Project Ranking: **12**

Project Identification Number: **5081**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$411,210	\$380,305	\$452,610	\$208,000	\$405,600	\$295,000	\$145,000	\$45,000	\$250,000	\$1,140,600	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$411,210	\$380,305	\$452,610	\$208,000	\$405,600	\$295,000	\$145,000	\$45,000	\$250,000	\$1,140,600	On-going	On-going

Costs/Schedule:

Planning	\$4,262	\$400	\$294	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	48,753						45,000	10,000	65,000	350,000	0	\$0
City		10,000	29,441	0	35,000	35,000						
Contracted		0	0	126,660	90,000	70,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	358,195						0	0	0	0	0	\$0
City		317,100	270,561	16,340	0	0						
Contracted		52,805	150,266	0	0	0						
Major Equipment	0	0	2,048	65,000	280,600	190,000	100,000	35,000	185,000	790,600	0	\$0
Total Annual Costs	\$411,210	\$380,305	\$452,610	\$208,000	\$405,600	\$295,000	\$145,000	\$45,000	\$250,000	\$1,140,600	On-going	On-going

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

84

PROJECT DETAIL

Project Title: **TCWTP DIGESTER MODIFICATIONS**

Project Ranking: **13**

Project Identification Number: **5151**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$50,000	\$53,581	\$0	\$233,000	\$0	\$0	\$0	\$0	\$233,000	\$1,640,000	$1,926,581
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$50,000	\$53,581	\$0	\$233,000	\$0	\$0	\$0	\$0	\$233,000	\$1,640,000	\$1,926,581

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$50,000	\$53,289	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,289
Design/Project Management	0	0	0	0	0	0	0	0	0	18,000	164,000	\$182,000
City		0	181	0	3,000	0						
Contracted		0	0	0	15,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	215,000	1,476,000	\$1,691,000
City		0	111	0	0	0						
Contracted		0	0	0	215,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$50,000	\$53,581	\$0	\$233,000	\$0	\$0	\$0	\$0	\$233,000	\$1,640,000	\$1,926,581

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CBWTP SECONDARY SCUM REMOVAL**

Objectives:

Project Ranking: **14**

Maintenance/Repair

X

Project Identification Number: **NEW**

Replacement

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System: **SEWAGE**

Mandated

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Program: **SEWAGE TREATMENT SYSTEMS**

Expansion

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Efficiency

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$41,600	\$440,000	\$616,000	\$0	\$0	\$1,097,600	\$0	$1,097,600
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$41,600	\$440,000	\$616,000	\$0	\$0	\$1,097,600	\$0	\$1,097,600

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$10,000	\$0	\$10,000
Design/Project Management	0	0	0	0	1,600	1,000	56,000	0	0	123,600	0	\$123,600
City												
Contracted					40,000	25,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	550,000	0	0	964,000	0	\$964,000
City												
Contracted												
Major Equipment	0	0	0	0	0	414,000	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$41,600	\$440,000	\$616,000	\$0	\$0	\$1,097,600	\$0	\$1,097,600

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP PRIMARY CLARIFIER AUTOMATION**

Project Ranking: **15**

Project Identification Number: **4867**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

87

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$106,671	\$0	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$0	\$1,254,600	\$0	\$1,361,271
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$106,671	\$0	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$0	\$1,254,600	\$0	\$1,361,271

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	93,793						0	0	0	34,600	0	\$128,393
City		0	0	0	1,600	1,000						
Contracted		0	0	0	18,000	14,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	12,878						0	0	0	1,220,000	0	\$1,232,878
City		0	0	0	0	0						
Contracted		0	0	0	620,000	600,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$106,671	\$0	\$0	\$0	\$639,600	\$615,000	\$0	\$0	\$0	\$1,254,600	\$0	\$1,361,271

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	(\$45,000)	(\$45,000)	(\$45,000)	(\$135,000)	\$0	(\$135,000)

PROJECT DETAIL

Project Title: **CBWTP LAND APPLICATION SCALES**

Project Ranking: **16**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

88

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$265,000	\$0	\$0	\$0	\$0	\$265,000	\$0	$265,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$265,000	\$0	\$0	\$0	\$0	\$265,000	\$0	\$265,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	1,500	0	0	0	0	24,000	0	\$24,000
City	0	0	0	0	22,500	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	241,000	0	\$241,000
City	0	0	0	0	0	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	241,000	0	0	0	0	0	0	\$241,000
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$265,000	\$0	\$0	\$0	\$0	\$265,000	\$0	\$265,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **TCWTP ODOR CONTROL-SLUDGE**

Project Ranking: **17**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$336,000	\$0	\$0	\$0	\$336,000	\$0	$336,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$336,000	\$0	\$0	\$0	\$336,000	\$0	\$336,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$6,000	\$0	\$0	\$0	\$6,000	\$0	\$6,000
Design/Project Management	0						0	0	0	32,000	0	\$32,000
City		0	0	0	0	2,000						
Contracted		0	0	0	0	30,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	298,000	0	\$298,000
City		0	0	0	0	0						
Contracted		0	0	0	0	298,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$336,000	\$0	\$0	\$0	\$336,000	\$0	\$336,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$5,700	\$5,700	\$5,700	\$17,100	\$0	\$17,100
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP PRIMARY CHAIN/FLIGHTS REPLACEMENT**

Project Ranking: **18**

Project Identification Number: **4964**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

06

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$8,377	\$0	\$751,000	\$0	\$0	\$429,040	\$430,000	\$0	\$0	\$859,040	\$0	$1,618,417
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$8,377	\$0	\$751,000	\$0	\$0	\$429,040	\$430,000	\$0	\$0	\$859,040	\$0	\$1,618,417

Costs/Schedule:

Planning	\$613	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$613
Design/Project Management	7,069						2,000	0	0	3,020	0	\$10,089
City		0	246	0	0	1,020						
Contracted		0	9,900	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	695						428,000	0	0	856,020	0	\$856,715
City		0	12,957	0	0	0						
Contracted		0	727,897	0	0	428,020						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$8,377	\$0	\$751,000	\$0	\$0	\$429,040	\$430,000	\$0	\$0	\$859,040	\$0	\$1,618,417

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP DIGESTER MODIFICATIONS**

Project Ranking: **19**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$118,400	\$750,000	\$0	\$0	\$868,400	\$0	$868,400
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$118,400	\$750,000	\$0	\$0	\$868,400	\$0	\$868,400

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$16,000	\$0	\$0	\$0	\$16,000	\$0	\$16,000
Design/Project Management	0	0	0	0	0	2,400	2,000	0	0	104,400	0	\$104,400
City												
Contracted		0	0	0	0	100,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	748,000	0	0	748,000	0	\$748,000
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$118,400	\$750,000	\$0	\$0	\$868,400	\$0	\$868,400

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **DECHLORINATION/SAMPLING IMP**

Project Ranking: **20**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$25,000	\$300,000	\$2,575,000	\$0	\$2,900,000	\$0	$2,900,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$25,000	\$300,000	\$2,575,000	\$0	\$2,900,000	\$0	\$2,900,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$20,000	\$0	\$20,000
Design/Project Management	0						300,000	5,000	0	310,000	0	\$310,000
City		0	0	0	0	0						
Contracted		0	0	0	0	5,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0							2,570,000	0	2,570,000	0	\$2,570,000
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$25,000	\$300,000	\$2,575,000	\$0	\$2,900,000	\$0	\$2,900,000

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CBWTP OUTFALL LINE REPAIR**

Project Ranking: **21**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SEWAGE TREATMENT SYSTEMS**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

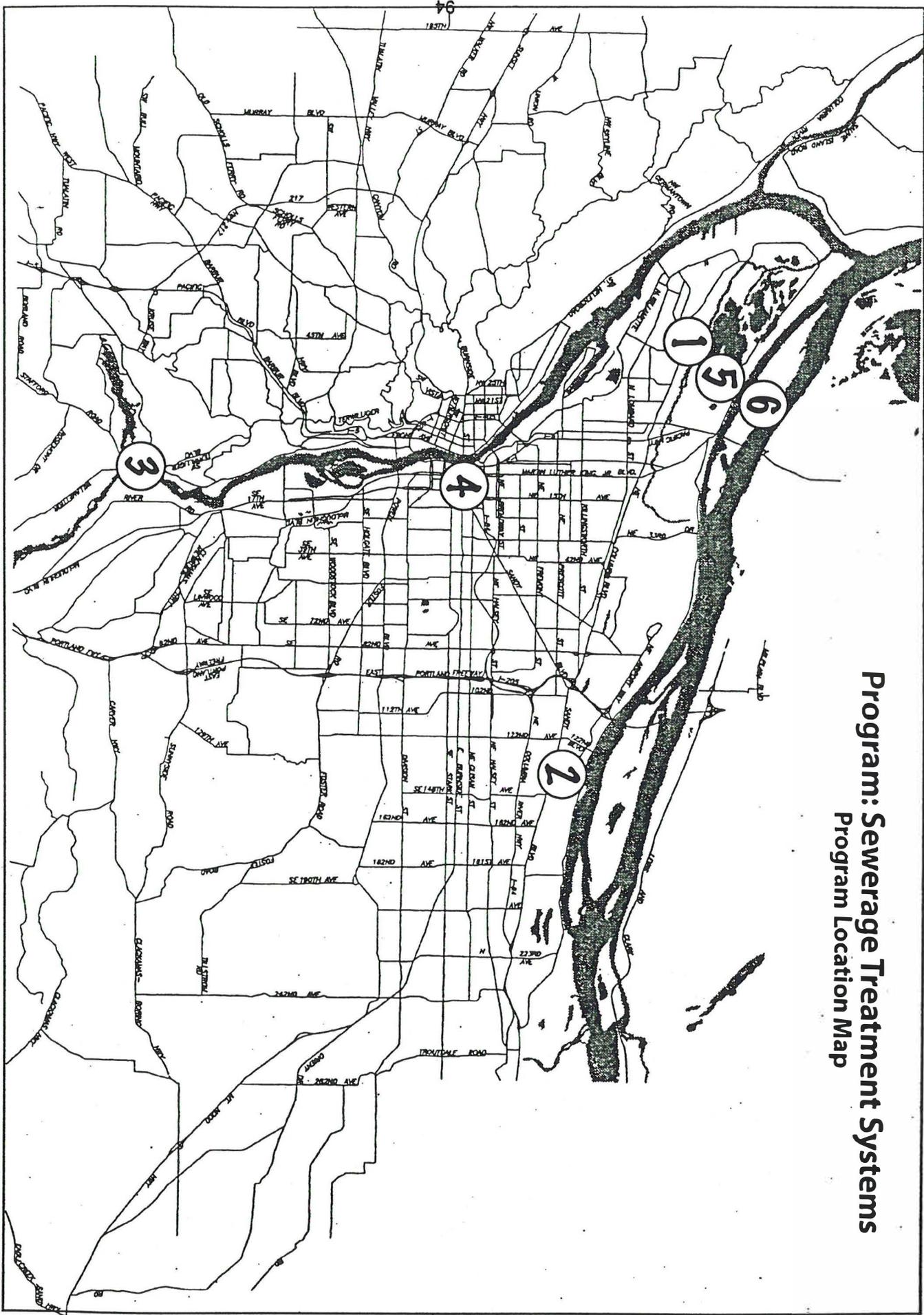
Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year					FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99				
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$590,000	\$0	\$0	\$0	\$590,000	\$0	\$590,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$590,000	\$0	\$0	\$0	\$590,000	\$0	\$590,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year					FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99				
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	45,000	0	\$45,000
City		0	0	0	0	5,000						
Contracted		0	0	0	0	40,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	545,000	0	\$545,000
City		0	0	0	0	0						
Contracted		0	0	0	0	545,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$590,000	\$0	\$0	\$0	\$590,000	\$0	\$590,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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**Program: Sewerage Treatment Systems
Program Location Map**



Program: Sewerage Treatment Systems

Program Location Legend

- ① CBWTP Projects
- ② Inverness PS/Force Main
- ③ TCWTP Projects
- ④ PS Improvement Program
- ⑤ CBWTP Outfall Retrofit
- ⑥ Dechlorination/Sampling Improvements

PROJECT DETAIL

Project Title: **MAINTENANCE CAPITAL-CONTRACT**

Project Ranking: **1**

Project Identification Number: **4863**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 Year	Year 6 thru	Total	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Sewer Construction Fund	\$214,212	\$241,805	\$175,841	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$3,000,000	\$13,492,127	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$214,212	\$241,805	\$175,841	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$3,000,000	\$13,492,127	On-going	On-going

Costs/Schedule:

Planning	\$1,351	\$1,000	\$1,115	\$0	\$750,000	\$750,000	\$0	\$0	\$0	\$1,500,000	\$0	\$0
Design/Project Management	62,297						269,360	278,600	278,600	1,089,301	0	\$0
City		34,990	12,418	62,149	83,486	123,255						
Contracted		15,000	597	14,000	26,000	30,000						
Site Acquisition	0	2,000	0	2,000	8,000	12,000	39,200	38,000	38,400	135,600	0	\$0
Construction	150,564						2,527,600	2,680,000	2,683,000	10,767,226	0	\$0
City		6,000	14,452	38,278	150,837	182,689						
Contracted		182,815	147,259	190,026	1,007,489	1,535,611						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$214,212	\$241,805	\$175,841	\$306,453	\$2,025,812	\$2,633,555	\$2,836,160	\$2,996,600	\$3,000,000	\$13,492,127	On-going	On-going

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **MAINTENANCE CAPITAL-CONSTRUCTION**

Project Ranking: **2**

Project Identification Number: **4861**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Sewer Construction Fund	\$1,284,621	\$830,000	\$385,272	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,284,621	\$830,000	\$385,272	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	On-going	On-going

Costs/Schedule:

Planning	\$2,118	\$1,000	\$1,260	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	77,185						94,666	94,666	94,666	473,330	0	\$0
City		76,146	41,679	87,018	74,666	74,666						
Contracted		3,851	1,725	16,000	20,000	20,000						
Site Acquisition	0	2,000	0	2,000	7,000	7,000	7,000	7,000	7,000	35,000	0	\$0
Construction	1,205,318						742,000	742,000	742,000	3,710,000	0	\$0
City		747,003	339,428	738,648	742,000	742,000						
Contracted		0	1,180	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,284,621	\$830,000	\$385,272	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$843,666	\$4,218,330	On-going	On-going

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **ALDER BASIN RELIEF & RECONSTRUCTION**

Project Ranking: **3**

Project Identification Number: **4983**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year			FY 98-99			5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Sewer Construction Fund	\$621,293	\$3,630,000	\$3,786,533	\$1,350,000	\$1,000,000	\$2,847,500	\$3,020,000	\$2,583,230	\$5,799,270	\$15,250,000	\$0	\$21,007,826
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$621,293	\$3,630,000	\$3,786,533	\$1,350,000	\$1,000,000	\$2,847,500	\$3,020,000	\$2,583,230	\$5,799,270	\$15,250,000	\$0	\$21,007,826

Costs/Schedule:

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year			FY 98-99			5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Planning	\$253,552	\$100	\$152,377	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$405,929
Design/Project Management	362,239						350,000	230,000	230,000	1,060,000	0	\$1,422,239
City		16,833	45,338	45,386	0	35,000						
Contracted		5,000	1,229	350,000	0	215,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	5,502						2,670,000	2,353,230	5,569,270	14,190,000	3,500,000	\$17,695,502
City		79,585	100,444	82,300	75,000	175,000						
Contracted		3,528,482	3,487,145	872,314	925,000	2,422,500						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$621,293	\$3,630,000	\$3,786,533	\$1,350,000	\$1,000,000	\$2,847,500	\$3,020,000	\$2,583,230	\$5,799,270	\$15,250,000	\$3,500,000	\$24,507,826

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$2,000	\$4,100	\$8,400	\$14,500		\$24,500
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **NW CBD SEWER RECONSTRUCTION**

Project Ranking: **4**

Project Identification Number: **5201**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$100,000	\$33,012	\$400,000	\$575,000	\$580,000	\$580,000	\$520,000	\$400,000	\$2,655,000	\$0	$3,088,012
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$100,000	\$33,012	\$400,000	\$575,000	\$580,000	\$580,000	\$520,000	\$400,000	\$2,655,000	\$0	\$3,088,012

Costs/Schedule:

Planning	\$0	\$400	\$799	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$799
Design/Project Management	0						40,000	30,000	0	150,000	0	\$150,000
City		25,802	15,587	32,809	30,000	30,000						
Contracted		0	0	0	10,000	10,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						540,000	490,000	400,000	2,505,000	0	\$2,505,000
City		8,000	16,627	34,270	54,000	55,000						
Contracted		65,798	0	332,921	481,000	485,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$100,000	\$33,012	\$400,000	\$575,000	\$580,000	\$580,000	\$520,000	\$400,000	\$2,655,000	\$0	\$3,088,012

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **SUMP RECONSTRUCTION & UPGRADE**

Objectives:

Project Ranking: **5**

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

Project Identification Number: **4859**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Sewer Construction Fund	\$4,101,166	\$3,977,000	\$5,162,371	\$3,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$0	\$6,000,000	\$0	\$18,263,537
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$4,101,166	\$3,977,000	\$5,162,371	\$3,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$0	\$6,000,000	\$0	\$18,263,537

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Planning	\$4,507	\$700	\$427	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,934
Design/Project Management	254,892						22,000	0	0	132,000	0	\$386,892
City		44,526	15,468	68,211	66,000	44,000						
Contracted		0	0	0	0	0						
Site Acquisition		0	0	0	0	0	0	0	0	0	0	\$0
Construction	3,841,767						978,000	0	0	5,868,000	0	\$9,709,767
City		118,800	107,672	130,795	83,700	56,000						
Contracted		3,812,974	5,038,804	2,800,994	2,850,300	1,900,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$4,101,166	\$3,977,000	\$5,162,371	\$3,000,000	\$3,000,000	\$2,000,000	\$1,000,000	\$0	\$0	\$6,000,000	\$0	\$18,263,537

Estimated Additional Operating/Maintenance Costs	\$0	\$42,750	\$85,500	\$94,000	\$103,000	\$103,000	\$428,250	\$0	\$428,250
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **TRYON CREEK INFILTRATION & INFLOW ABATEMENT**

Objectives:

Project Ranking: **6**

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Project Identification Number: **4827**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 Year Total	Year 6 thru Completion	Total Project Costs	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99				FY 99-00
Sewer Construction Fund	\$239,449	\$100,000	\$138,465	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$239,449	\$100,000	\$138,465	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$2,243	\$200	\$7,798	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000	\$0	\$0
Design/Project Management	38,866						25,000	25,000	0	150,000	0	\$0
City		5,369	9,158	27,082	5,000	0						
Contracted		94,431	5,297	72,918	95,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	198,340							75,000	100,000	475,000	0	\$0
City		0	39,593	0	0	30,000						
Contracted		0	76,619	0	0	270,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$239,449	\$100,000	\$138,465	\$100,000	\$100,000	\$300,000	\$100,000	\$100,000	\$100,000	\$700,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **MAINTENANCE CAPITAL-EQUIPMENT**

Objectives:

Project Ranking: **7**

Maintenance/Repair

Project Identification Number: **4864**

Replacement

System: **SEWAGE**

Mandated

Program: **MAINTENANCE & RELIABILITY**

Expansion

Efficiency

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$10,458	\$0	\$2,092	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$250,000	\$2,250,000	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$10,458	\$0	\$2,092	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$250,000	\$2,250,000	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Major Equipment	10,458	0	2,092	700,000	500,000	500,000	500,000	500,000	250,000	2,250,000	0	\$0
Total Annual Costs	\$10,458	\$0	\$2,092	\$700,000	\$500,000	\$500,000	\$500,000	\$500,000	\$250,000	\$2,250,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **MAINTENANCE INVENTORY & CONDITION PLAN**

Objectives:

Project Ranking: **8**

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Project Identification Number: **5184**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$2,133	\$900,000	\$842,401	\$1,012,000	\$992,000	\$0	\$0	\$0	\$0	\$992,000	\$0	\$2,848,534
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$2,133	\$900,000	\$842,401	\$1,012,000	\$992,000	\$0	\$0	\$0	\$0	\$992,000	\$0	\$2,848,534

Costs/Schedule:

Planning	\$2,133	\$151,000	\$685,549	\$842,713	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,530,395
Design/Project Management	0						0	0	0	842,000	0	\$842,000
City		74,185	43,463	11,287	42,000	0						
Contracted		524,815	0	8,000	800,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		150,000	1,916	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	111,473	150,000	150,000	0	0	0	0	150,000	0	\$411,473
Total Annual Costs	\$2,133	\$900,000	\$842,401	\$1,012,000	\$992,000	\$0	\$0	\$0	\$0	\$992,000	\$0	\$2,848,534

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$80,000	\$0	\$80,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SEDIMENT PROCESSING & RECYCLING FACILITIES**

Project Ranking: **9**

Project Identification Number: **5446**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$300,000	\$500,000	\$0	\$700,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$300,000	\$500,000	\$0	\$700,000

Costs/Schedule:

	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Planning	0	0	0	19,192	15,000	0	0	0	75,000	120,000	0	\$120,000
Design/Project Management	0	0	0	0	30,000	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	150,000	150,000	0	\$150,000
Contracted	0	0	0	0	0	0	0	0	75,000	230,000	500,000	\$730,000
Site Acquisition	0	0	0	12,700	20,000	0	0	0	0	0	0	\$0
Construction	0	0	0	168,108	135,000	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$300,000	\$500,000	\$500,000	\$1,200,000

Estimated Additional Operating/Maintenance Costs	\$0	\$150,000	\$200,000	\$250,000	\$150,000	\$100,000	\$850,000	\$0	\$850,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **FANNO CREEK PS INSTALLATION**

Project Ranking: **10**

Project Identification Number: **5091**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$56,202	\$56,998	\$7,106	\$410,000	\$200,000	\$4,950,000	\$300,000	\$0	\$0	\$5,450,000	\$0	$5,923,308
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$56,202	\$56,998	\$7,106	\$410,000	\$200,000	\$4,950,000	\$300,000	\$0	\$0	\$5,450,000	\$0	\$5,923,308

Costs/Schedule:

Planning	\$10,721	\$0	\$3,398	\$0	\$15,000	\$0	\$0	\$0	\$0	\$15,000	\$0	\$29,119
Design/Project Management	28,128						0	0	0	604,000	0	\$632,128
City		48,111	3,141	34,614	10,000	594,000						
Contracted		0	567	0	0	0						
Site Acquisition	0	0	0	0	50,000	0	0	0	0	50,000	0	\$50,000
Construction	17,353						300,000	0	0	4,781,000	0	\$4,798,353
City		3,152	0	9,688	15,000	396,000						
Contracted		5,735	0	365,698	110,000	3,960,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$56,202	\$56,998	\$7,106	\$410,000	\$200,000	\$4,950,000	\$300,000	\$0	\$0	\$5,450,000	\$0	\$5,923,308

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **BASEMENT FLOODING RELIEF**

Project Ranking: **11**

Project Identification Number: **5200**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$1,584,600	\$1,847,000	\$1,763,906	\$1,130,000	\$550,000	\$3,600,000	\$4,700,000	\$4,796,000	\$4,510,000	\$18,156,000	\$0	$22,634,506
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,584,600	\$1,847,000	\$1,763,906	\$1,130,000	\$550,000	\$3,600,000	\$4,700,000	\$4,796,000	\$4,510,000	\$18,156,000	\$0	\$22,634,506

Costs/Schedule:

Planning	\$79,230	\$400	\$0	\$0	\$425,000	\$0	\$0	\$0	\$370,000	\$795,000	\$1,345,000	\$2,219,230
Design/Project Management	158,460						220,000	120,000	340,000	920,000	4,340,000	\$5,418,460
City		13,899	10,934	20,882	25,000	20,000						
Contracted		25,000	52,209	0	95,000	100,000						
Site Acquisition	0	0	0	0	5,000	5,000	10,000	5,000	10,000	35,000	185,000	\$220,000
Construction	1,346,910						4,470,000	4,671,000	3,790,000	16,406,000	135,435,000	\$153,187,910
City		1,500	63,897	53,000	0	325,000						
Contracted		1,806,201	1,636,866	1,056,118	0	3,150,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,584,600	\$1,847,000	\$1,763,906	\$1,130,000	\$550,000	\$3,600,000	\$4,700,000	\$4,796,000	\$4,510,000	\$18,156,000	\$141,305,000	\$163,939,506

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$2,000	\$4,000	\$8,000	\$14,000	\$35,000	\$49,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLLECTION SYSTEM FACILITIES PLAN UPDATE**

Project Ranking: **12**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **MAINTENANCE & RELIABILITY**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$500,000	\$250,000	\$0	\$0	\$0	\$750,000	\$0	$750,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$500,000	\$250,000	\$0	\$0	\$0	\$750,000	\$0	\$750,000

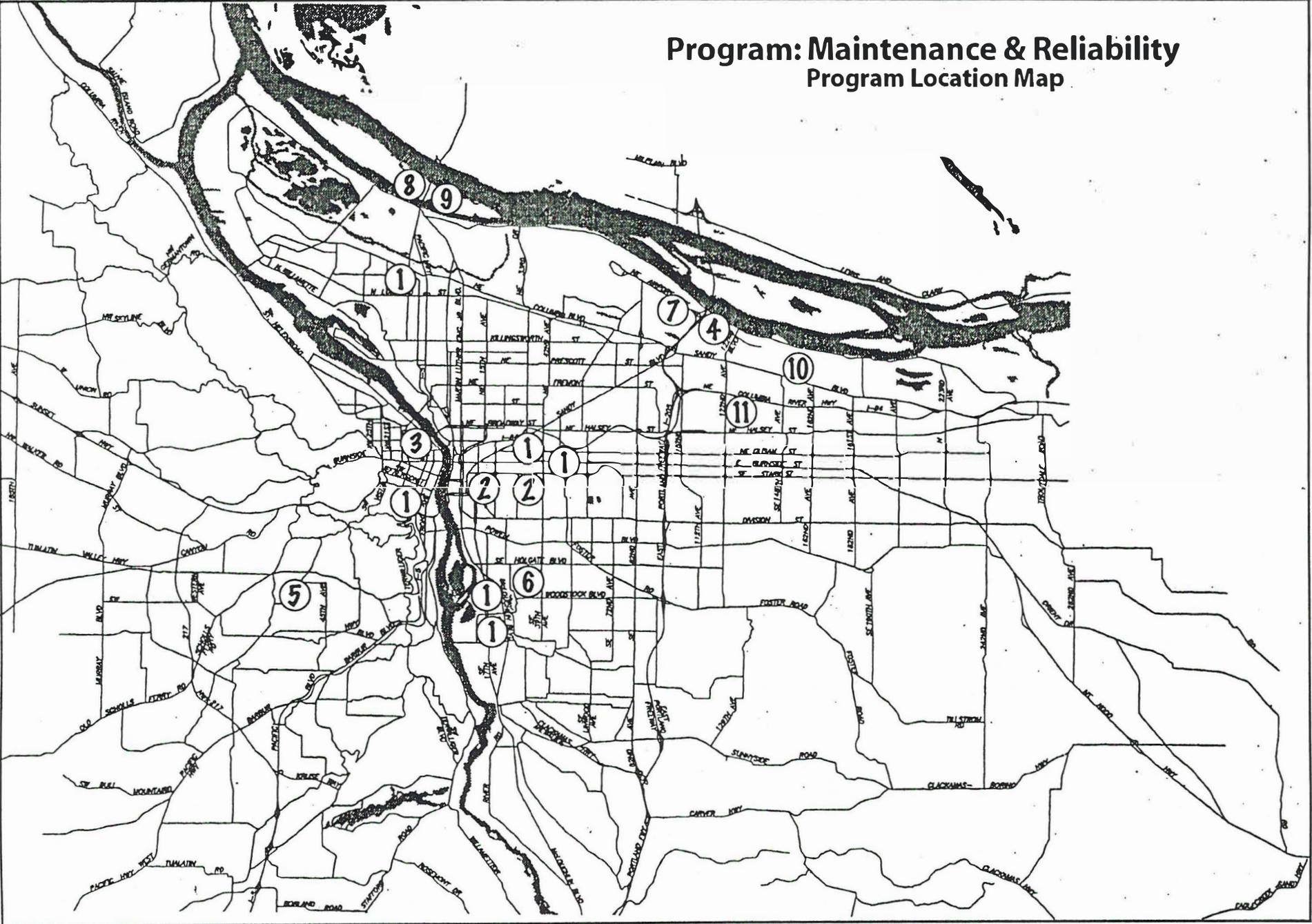
Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$500,000	\$250,000	\$0	\$0	\$0	\$750,000	\$0	\$750,000
Design/Project Management	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$500,000	\$250,000	\$0	\$0	\$0	\$750,000	\$0	\$750,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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Program: Maintenance & Reliability Program Location Map



Program: Maintenance & Reliability

Program Location Legend

- ① Maintenance Capital - Contract
- ② Alder Basin Reconstruction
- ③ N.W. CBD Sewer Reconstruction
- ④ Sediment Processing & Recycling
- ⑤ Fanno Creek PS Removal
- ⑥ Basement Flooding Relief
- ⑦ Inverness PL Corrosion Protection
- ⑧ Hayden Island Sanitary System Reconstruction
- ⑨ Hayden Island Storm System Reconstruction
- ⑩ NE Sandy Blvd. Sanitary Trunk Relief
- ⑪ Inverness Basin Sanitary Relief

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH WATERSHED**

Project Ranking: **1**

Project Identification Number: **4970, 5187**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$2,627,519	\$1,875,684	\$603,871	\$1,110,000	\$435,000	\$387,000	\$360,000	\$392,000	\$400,000	\$1,974,000	\$8,000,000	$14,315,390
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$2,627,519	\$1,875,684	\$603,871	\$1,110,000	\$435,000	\$387,000	\$360,000	\$392,000	\$400,000	\$1,974,000	\$8,000,000	\$14,315,390

Costs/Schedule:

Planning	\$2,627,267	\$462,900	\$308,285	\$210,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000	\$8,000,000	\$11,895,552
Design/Project Management	252						150,000	150,000	150,000	900,000	0	\$900,252
City		134,589	39,073	47,847	50,000	50,000						
Contracted		11,100	630	0	200,000	150,000						
Site Acquisition	0	922,784	250,000	556,321	0	0	0	0	0	0	0	\$806,321
Construction	0						60,000	92,000	100,000	324,000	0	\$324,000
City		24,144	5,884	18,832								
Contracted		300,167	0	230,000	35,000	37,000						
Major Equipment	0	20,000	0	47,000	0	0	0	0	0	0	0	\$47,000
Total Annual Costs	\$2,627,519	\$1,875,684	\$603,871	\$1,110,000	\$435,000	\$387,000	\$360,000	\$392,000	\$400,000	\$1,974,000	\$8,000,000	\$14,315,390

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: STORMWATER PROGRAM DEVELOPMENT

Project Ranking: 2

Project Identification Number: 4568

System: SEWAGE

Program: SURFACE WATER MANAGEMENT

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$2,591,510	\$648,090	\$528,263	\$100,000	\$409,000	\$399,500	\$300,000	\$326,770	\$360,730	\$1,796,000	\$0	$5,015,773
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$2,591,510	\$648,090	\$528,263	\$100,000	\$409,000	\$399,500	\$300,000	\$326,770	\$360,730	\$1,796,000	\$0	\$5,015,773

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$2,591,510	\$643,090	\$369,397	\$100,000	\$335,000	\$322,500	\$195,000	\$216,770	\$250,730	\$1,320,000	\$0	\$4,380,907
Design/Project Management	0	0	22,224	0	10,000	15,000	40,000	50,000	50,000	190,000	0	\$190,000
City		0	22,224	0	10,000	15,000						
Contracted		0	136,376	0	10,000	15,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	65,000	60,000	60,000	286,000	0	\$286,000
City		0	266	0	0	0						
Contracted		0	0	0	54,000	47,000						
Major Equipment	0	5,000	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$2,591,510	\$648,090	\$528,263	\$100,000	\$409,000	\$399,500	\$300,000	\$326,770	\$360,730	\$1,796,000	\$0	\$5,015,773

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: COLUMBIA SLOUGH SEDIMENT EVALUATION

Project Ranking: 3

Project Identification Number: 4815, 5358

System: SEWAGE

Program: SURFACE WATER MANAGEMENT

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$165,926	\$305,000	\$354,966	\$924,000	\$371,500	\$288,500	\$289,000	\$160,000	\$1,560,000	\$2,669,000	\$8,634,000	$12,747,892
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$165,926	\$305,000	\$354,966	\$924,000	\$371,500	\$288,500	\$289,000	\$160,000	\$1,560,000	\$2,669,000	\$8,634,000	\$12,747,892

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$165,926	\$305,000	\$354,911	\$924,000	\$371,500	\$285,500	\$289,000	\$160,000	\$500,000	\$1,606,000	\$634,000	\$3,684,837
Design/Project Management	0	0	0	0	0	0	0	0	60,000	63,000	500,000	\$563,000
City		0	35	0	0	3,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	7,500,000	\$7,500,000
Construction	0	0	0	0	0	0	0	0	1,000,000	1,000,000	0	\$1,000,000
City		0	20	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$165,926	\$305,000	\$354,966	\$924,000	\$371,500	\$288,500	\$289,000	\$160,000	\$1,560,000	\$2,669,000	\$8,634,000	\$12,747,892

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **U.S. ARMY CORP OF ENGINEERS-(COLUMBIA SLOUGH)**

Project Ranking: **4**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$200,000	\$254,630	\$100,000	\$100,000	\$100,000	\$754,630	\$1,000,000	$1,754,630
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$200,000	\$254,630	\$100,000	\$100,000	\$100,000	\$754,630	\$1,000,000	\$1,754,630

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$200,000	\$254,630	\$100,000	\$100,000	\$100,000	\$754,630	\$1,000,000	\$1,754,630
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$200,000	\$254,630	\$100,000	\$100,000	\$100,000	\$754,630	\$1,000,000	\$1,754,630

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **122nd AVE SUB-BASIN PROJECT-(STORMWATER MGMT)**

Project Ranking: **5**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$251,000	\$163,000	\$55,000	\$48,000	\$30,000	\$547,000	\$50,000	$597,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$251,000	\$163,000	\$55,000	\$48,000	\$30,000	\$547,000	\$50,000	\$597,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$52,000	\$43,000	\$24,000	\$14,000	\$4,000	\$137,000	\$50,000	\$187,000
Design/Project Management	0	0	0	0	0	0	5,000	6,000	6,000	116,000	0	\$116,000
City		0	0	0	82,000	12,500						
Contracted		0	0	0	2,000	2,500						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	26,000	28,000	20,000	294,000	0	\$294,000
City		0	0	0	20,000	20,000						
Contracted		0	0	0	95,000	85,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$251,000	\$163,000	\$55,000	\$48,000	\$30,000	\$547,000	\$50,000	\$597,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$3,000	\$3,500	\$4,000	\$10,500	\$10,000	\$20,500
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	(\$1,000)	(\$1,500)	(\$2,000)	(\$4,500)	(\$50,000)	(\$54,500)

PROJECT DETAIL

Project Title: **FANNO CREEK BASIN MANAGEMENT**

Project Ranking: **6**

Project Identification Number: **4597, 4073**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$1,474,275	\$570,000	\$342,594	\$1,080,500	\$260,500	\$150,000	\$100,000	\$95,000	\$80,000	\$685,500	\$600,000	$4,182,869
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,474,275	\$570,000	\$342,594	\$1,080,500	\$260,500	\$150,000	\$100,000	\$95,000	\$80,000	\$685,500	\$600,000	\$4,182,869

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$580,173	\$181,161	\$213,303	\$295,500	\$250,000	\$140,000	\$90,000	\$85,000	\$70,000	\$635,000	\$550,000	\$2,273,976
Design/Project Management	862,237									0	0	\$862,237
City		65,364	96,373	59,991	0	0	0	0	0			
Contracted		87,339	5,676	0	0	0	0	0	0			
Site Acquisition	0	75,000	6,578	75,000	0	0	0	0	0	0	0	\$81,578
Construction	31,865											
City		67,437	19,806	64,813	10,500	10,000	10,000	10,000	10,000	50,500	50,000	\$132,365
Contracted		88,699	859	585,196	0	0	0	0	0			
Major Equipment	0	5,000	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,474,275	\$570,000	\$342,594	\$1,080,500	\$260,500	\$150,000	\$100,000	\$95,000	\$80,000	\$685,500	\$600,000	\$4,182,869

Estimated Additional Operating/Maintenance Costs	\$0	\$5,000	\$5,000	\$10,000	\$10,000	\$10,000	\$40,000	\$50,000	\$90,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **STREAMBANK RESTORATION-(COLUMBIA SLOUGH)**

Project Ranking: **9**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$15,000	\$20,000	\$25,000	\$35,000	\$40,000	\$135,000	\$1,000,000	$1,135,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$15,000	\$20,000	\$25,000	\$35,000	\$40,000	\$135,000	\$1,000,000	\$1,135,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$5,000	\$8,000	\$8,000	\$10,000	\$10,000	\$41,000	\$1,000,000	\$1,041,000
Design/Project Management	0	0	0	0	0	0	0	0	0	0	0	\$0
City	0	0	0	0	0	0	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	17,000	25,000	30,000	94,000	0	\$94,000
City	0	0	0	0	5,000	5,000	0	0	0	0	0	\$0
Contracted	0	0	0	0	5,000	7,000	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$15,000	\$20,000	\$25,000	\$35,000	\$40,000	\$135,000	\$1,000,000	\$1,135,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **BALCH CREEK PILOT PROJECT**

Project Ranking: **10**

Project Identification Number: **5177**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$214,642	\$395	\$588,680	\$375,000	\$0	\$0	\$0	\$0	\$375,000	\$0	$964,075
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$214,642	\$395	\$588,680	\$375,000	\$0	\$0	\$0	\$0	\$375,000	\$0	\$964,075

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$57	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$57
Design/Project Management	0	0	0	0	0	0	0	0	0	55,000	0	\$55,000
City		48,349	338	41,372	5,000	0						
Contracted		10,250	0	0	50,000	0						
Site Acquisition	0	35,000	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	320,000	0	\$320,000
City		6,115	0	16,480	0	0						
Contracted		114,928	0	530,828	320,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$214,642	\$395	\$588,680	\$375,000	\$0	\$0	\$0	\$0	\$375,000	\$0	\$964,075

Estimated Additional Operating/Maintenance Costs	\$0	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000	\$25,000	\$50,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **EARLY ACTION SITE 1-(COLUMBIA SLOUGH SEDIMENTS)**

Project Ranking: **11**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$259,000	\$249,000	\$0	\$0	\$0	\$508,000	\$256,000	$764,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$259,000	\$249,000	\$0	\$0	\$0	\$508,000	\$256,000	\$764,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$56,000	\$36,000	\$0	\$0	\$0	\$92,000	\$150,000	\$242,000
Design/Project Management	0	0	0	0	0	0	0	0	0	6,000	6,000	\$12,000
City		0	0	0	3,000	3,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	100,000	\$100,000
Construction	0	0	0	0	0	0	0	0	0	410,000	0	\$410,000
City		0	0	0	0	0						
Contracted		0	0	0	200,000	210,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$259,000	\$249,000	\$0	\$0	\$0	\$508,000	\$256,000	\$764,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$40,000	\$60,000	\$40,000	\$140,000	\$90,000	\$230,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **STORMWATER EARLY ACTION PROJECTS**

Project Ranking: **12**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year	Year 6 thru	Total
		Y 93-94	FY 93-94	FY 94-95						Total	Completion	Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$25,000	\$249,500	\$210,000	\$180,000	\$170,000	\$834,500	\$500,000	\$1,334,500
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$25,000	\$249,500	\$210,000	\$180,000	\$170,000	\$834,500	\$500,000	\$1,334,500

Costs/Schedule:	Prior Yrs	Budget Y 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$5,000	\$19,500	\$15,000	\$15,000	\$15,000	\$69,500	\$500,000	\$569,500
Design/Project Management	0	0	0	0	5,000	5,000	30,000	20,000	15,000	100,000	0	\$100,000
City		0	0	0	5,000	5,000						
Contracted		0	0	0	0	25,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	165,000	145,000	140,000	665,000	0	\$665,000
City		0	0	0	15,000	200,000						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$25,000	\$249,500	\$210,000	\$180,000	\$170,000	\$834,500	\$500,000	\$1,334,500

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **162ND & FOSTER DETENTION FACILITY-(JOHNSON CREEK)**

Project Ranking: **13**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

- Maintenance/Repair
- Replacement
- Mandated
- Expansion
- Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$440,000	\$800,000	\$0	\$0	\$0	\$1,240,000	\$0	\$1,240,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$440,000	\$800,000	\$0	\$0	\$0	\$1,240,000	\$0	\$1,240,000

Costs/Schedule:												
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	140,000	0	\$140,000
City		0	0	0	0	0						
Contracted		0	0	0	140,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	1,100,000	0	\$1,100,000
City		0	0	0	0	0						
Contracted		0	0	0	300,000	800,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$440,000	\$800,000	\$0	\$0	\$0	\$1,240,000	\$0	\$1,240,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **BALCH CREEK FACILITY PLANNING**

Project Ranking: **14**

Project Identification Number: **4885**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$412,205	\$60,000	\$230,587	\$259,730	\$122,200	\$122,200	\$100,200	\$62,200	\$41,000	\$447,800	\$100,000	$1,450,322
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$412,205	\$60,000	\$230,587	\$259,730	\$122,200	\$122,200	\$100,200	\$62,200	\$41,000	\$447,800	\$100,000	\$1,450,322

Costs/Schedule:

Planning	\$356,696	\$60,000	\$225,870	\$212,551	\$82,200	\$72,200	\$40,200	\$30,000	\$15,000	\$239,600	\$100,000	\$1,134,717
Design/Project Management	1,299						20,000	15,000	10,000	85,000	0	\$86,299
City		0	4,528	0	20,000	20,000						
Contracted		0	0	0	0	0						
Site Acquisition	54,210	0	0	0	10,000	10,000	0	0	0	20,000	0	\$74,210
Construction	0						40,000	17,200	16,000	103,200	0	\$103,200
City		0	189	0	10,000	20,000						
Contracted		0	0	47,179	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$412,205	\$60,000	\$230,587	\$259,730	\$122,200	\$122,200	\$100,200	\$62,200	\$41,000	\$447,800	\$100,000	\$1,450,322

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **TRYON CREEK PILOT/STEWARDSHIP PROGRAM**

Project Ranking: **15**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$271,000	\$276,000	\$266,000	\$180,000	\$162,000	\$1,155,000	\$65,000	$1,220,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$271,000	\$276,000	\$266,000	\$180,000	\$162,000	\$1,155,000	\$65,000	\$1,220,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$191,000	\$166,000	\$146,000	\$50,000	\$50,000	\$603,000	\$40,000	\$643,000
Design/Project Management	0	0	0	0	12,480	12,480	50,000	15,000	10,000	175,000	25,000	\$200,000
City		0	0	0	12,480	12,480						
Contracted		0	0	0	37,520	37,520						
Site Acquisition	0	0	0	0	0	20,000	20,000	20,000	20,000	80,000	0	\$80,000
Construction	0	0	0	0	0	0	50,000	95,000	82,000	297,000	0	\$297,000
City		0	0	0	0	0						
Contracted		0	0	0	30,000	40,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$271,000	\$276,000	\$266,000	\$180,000	\$162,000	\$1,155,000	\$65,000	\$1,220,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **BROOKSIDE WETLAND**

Project Ranking: **16**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	20,000	0	0	0	0	100,000	0	\$100,000
City					80,000							
Contracted					0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	500,000	0	\$500,000
City					0	0	0	0	0			
Contracted					0	500,000	0	0	0			
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$100,000	\$500,000	\$0	\$0	\$0	\$600,000	\$0	\$600,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **POLLUTION REDUCTION FACILITY-PRUITT-(COL. SLOUGH)**

Project Ranking: **17**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$10,000	\$135,000	\$310,000	\$0	\$0	\$455,000	\$0	$455,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$10,000	\$135,000	\$310,000	\$0	\$0	\$455,000	\$0	\$455,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	10,000	35,000	10,000	0	0	55,000	0	\$55,000
City		0	0	0	10,000	35,000	10,000	0	0	55,000	0	\$55,000
Contracted		0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	100,000	0	0	0	100,000	0	\$100,000
Construction	0	0	0	0	0	0	300,000	0	0	300,000	0	\$300,000
City		0	0	0	0	0	300,000	0	0	300,000	0	\$300,000
Contracted		0	0	0	0	0	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$10,000	\$135,000	\$310,000	\$0	\$0	\$455,000	\$0	\$455,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **POLLUTION REDUCTION FACILITY-GALITZKI-(COL. SLOUGH)**

Project Ranking: **18**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$8,000	\$8,000	\$0	\$0	\$0	\$16,000	\$0	\$16,000
Design/Project Management	0	0	0	0	17,000	17,000	0	0	0	34,000	0	\$34,000
City		0	0	0	17,000	17,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	1,000,000	1,000,000	0	0	0	2,000,000	0	\$2,000,000
Construction	0	0	0	0	0	0	170,000	0	0	170,000	0	\$170,000
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$1,025,000	\$1,025,000	\$170,000	\$0	\$0	\$2,220,000	\$0	\$2,220,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **JOHNSON CREEK BLVD AT 45TH**

Project Ranking: **19**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$445,000	\$0	\$0	\$0	\$0	\$445,000	\$0	$445,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$445,000	\$0	\$0	\$0	\$0	\$445,000	\$0	\$445,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0			\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	55,000	0	\$55,000
City		0	0	0	55,000	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	390,000	0	\$390,000
City		0	0	0	0	0						
Contracted		0	0	0	390,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$445,000	\$0	\$0	\$0	\$0	\$445,000	\$0	\$445,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **EARLY ACTION SITE 2-(COLUMBIA SLOUGH SEDIMENTS)**

Project Ranking: **20**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$93,000	\$133,000	\$0	\$0	\$0	\$226,000	\$150,000	$376,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$93,000	\$133,000	\$0	\$0	\$0	\$226,000	\$150,000	\$376,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$41,000	\$30,000	\$0	\$0	\$0	\$71,000	\$150,000	\$221,000
Design/Project Management	0	0	0	0	0	0	0	0	0	5,000	0	\$5,000
City		0	0	0	2,000	3,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	150,000	0	\$150,000
City		0	0	0	0	0						
Contracted		0	0	0	50,000	100,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$93,000	\$133,000	\$0	\$0	\$0	\$226,000	\$150,000	\$376,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$40,000	\$40,000	\$40,000	\$120,000	\$15,000	\$135,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SW HAMILTON E. OF 58th-(FANNO CREEK)**

Project Ranking: **21**

Project Identification Number: **4773**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$100,556	\$0	\$53,195	\$0	\$56,630	\$200,000	\$0	\$0	\$0	\$256,630	\$0	$410,381
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$100,556	\$0	\$53,195	\$0	\$56,630	\$200,000	\$0	\$0	\$0	\$256,630	\$0	\$410,381

Costs/Schedule:

Planning	\$100,556	\$0	\$1,755	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$102,311
Design/Project Management	0	0	45,152	0	5,000	10,000	0	0	0	15,000	0	\$15,000
City												
Contracted			6,288	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	10,000	30,000	0	0	0	241,630	0	\$241,630
City												
Contracted			0	0	41,630	160,000	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$100,556	\$0	\$53,195	\$0	\$56,630	\$200,000	\$0	\$0	\$0	\$256,630	\$0	\$410,381

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$2,000	\$2,000	\$5,000	\$0	\$9,000	\$10,000	\$19,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **STREAMBANK RESTORATION-(FANNO CREEK)**

Project Ranking: **22**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$85,000	\$120,000	\$150,000	\$178,000	\$533,000	\$170,000	$703,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$85,000	\$120,000	\$150,000	\$178,000	\$533,000	\$170,000	\$703,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$5,000	\$10,000	\$25,000	\$15,000	\$40,000
Design/Project Management	0	0	0	0	0	0	30,000	30,000	30,000	115,000	15,000	\$130,000
City		0	0	0	0	5,000						
Contracted		0	0	0	0	20,000						
Site Acquisition	0	0	0	0	0	40,000	60,000	85,000	85,000	270,000	55,000	\$325,000
Construction	0	0	0	0	0	0	25,000	30,000	53,000	123,000	85,000	\$208,000
City		0	0	0	0	5,000						
Contracted		0	0	0	0	10,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$85,000	\$120,000	\$150,000	\$178,000	\$533,000	\$170,000	\$703,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$2,000	\$2,000	\$3,000	\$7,000	\$20,000	\$27,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	(\$3,000)	(\$5,000)	(\$8,000)	(\$50,000)	(\$58,000)

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PROJECT DETAIL

Project Title: **HILLVIEW ROAD DETENTION FACILITY**

Project Ranking: **27**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$50,000	\$750,000	\$510,000	\$405,000	\$1,715,000	\$0	$1,715,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$50,000	\$750,000	\$510,000	\$405,000	\$1,715,000	\$0	\$1,715,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$40,000	\$0	\$140,000		\$140,000
Design/Project Management	0							170,000	5,000	175,000		\$175,000
City		0	0	0	0	0	0					
Contracted		0	0	0	0	0	0					
Site Acquisition	0	0	0	0	0	0	700,000	0	0	700,000		\$700,000
Construction	0							300,000	400,000	700,000		\$700,000
City		0	0	0	0	0	0					
Contracted		0	0	0	0	0	0					
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$50,000	\$750,000	\$510,000	\$405,000	\$1,715,000	\$0	\$1,715,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **HOGAN ROAD DETENTION FACILITY**

Project Ranking: **28**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SURFACE WATER MANAGEMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$50,000	\$450,000	\$580,000	\$805,000	\$1,885,000	\$0	$1,885,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$50,000	\$450,000	\$580,000	\$805,000	\$1,885,000	\$0	\$1,885,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$50,000	\$50,000	\$30,000	\$5,000	\$135,000		\$135,000
Design/Project Management	0	0	0	0	0	0	0	250,000	0	250,000		\$250,000
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	400,000	0	0	400,000		\$400,000
Construction	0	0	0	0	0	0	0	300,000	800,000	1,100,000		\$1,100,000
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$50,000	\$450,000	\$580,000	\$805,000	\$1,885,000	\$0	\$1,885,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **CSO PLANNING**
 Project Ranking: **1**
 Project Identification Number: **NEW**
 System: **SEWAGE**
 Program: **COMBINED SEWER OVERFLOW**

Objectives:
 Maintenance/Repair
 Replacement
 Mandated X
 Expansion
 Efficiency

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$802,900	\$647,000	\$559,200	\$527,100	\$524,900	\$3,061,100	\$5,000,000	$8,061,100
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$802,900	\$647,000	\$559,200	\$527,100	\$524,900	\$3,061,100	\$5,000,000	\$8,061,100

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	31,500	28,600	559,200	527,100	524,900	3,061,100	5,000,000	\$8,061,100
City Contracted	0	0	0	0	771,400	618,400	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	0	\$0
City Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$802,900	\$647,000	\$559,200	\$527,100	\$524,900	\$3,061,100	\$5,000,000	\$8,061,100

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SEWER LEVEL REMOTE TELEMETERING (SLRT) CALIBRATION**

Project Ranking: **2**

Project Identification Number: **5323**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$150,000	\$126,079	\$200,000	\$356,700	\$146,400	\$0	\$0	\$0	\$503,100	\$0	\$829,179
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$150,000	\$126,079	\$200,000	\$356,700	\$146,400	\$0	\$0	\$0	\$503,100	\$0	\$829,179

Costs/Schedule:

Planning	\$0	\$150,000	\$126,079	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$126,079
Design/Project Management	0						0	0	0	503,100	0	\$503,100
City		0	0	20,000	17,900	10,800						
Contracted		0	0	180,000	338,800	135,600						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$150,000	\$126,079	\$200,000	\$356,700	\$146,400	\$0	\$0	\$0	\$503,100	\$0	\$829,179

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **DIVERSION RECONSTRUCTION**

Project Ranking: **3**

Project Identification Number: **4539**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$150,973	\$383,000	\$299,176	\$389,000	\$178,400	\$0	\$0	\$0	\$0	\$178,400	\$0	\$1,017,549
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$150,973	\$383,000	\$299,176	\$389,000	\$178,400	\$0	\$0	\$0	\$0	\$178,400	\$0	\$1,017,549

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$45,443	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,443
Design/Project Management	96,090						0	0	0	28,400	0	\$124,490
City		63,115	5,070	1,000	28,400	0						
Contracted		30,000	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	9,440						0	0	0	150,000	0	\$159,440
City		66,789	19,332	28,000	0	0						
Contracted		222,096	274,774	360,000	150,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$150,973	\$383,000	\$299,176	\$389,000	\$178,400	\$0	\$0	\$0	\$0	\$178,400	\$0	\$1,017,549

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH CONSOLIDATION CONDUIT**

Project Ranking: **4**

Project Identification Number: **5332**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year						5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Sewer Construction Fund	\$0	\$0	\$6,627	\$1,000,000	\$4,459,900	\$9,588,400	\$17,666,000	\$24,889,600	\$30,164,600	\$86,768,500	\$1,380,000	\$89,155,127
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$6,627	\$1,000,000	\$4,459,900	\$9,588,400	\$17,666,000	\$24,889,600	\$30,164,600	\$86,768,500	\$1,380,000	\$89,155,127

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year						5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Planning	\$0	\$0	\$4,745	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,745
Design/Project Management	0	0	0	500,000	799,000	877,600	2,546,000	2,889,600	2,764,600	14,708,500	380,000	\$15,088,500
City			1,882									
Contracted			0	500,000	3,040,900	1,790,800						
Site Acquisition	0	0	0	0	620,000	520,000	120,000	0	0	1,260,000	0	\$1,260,000
Construction	0	0	0	0	0	400,000	15,000,000	22,000,000	27,400,000	70,800,000	1,000,000	\$71,800,000
City			0	0	0	400,000						
Contracted			0	0	0	6,000,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$6,627	\$1,000,000	\$4,459,900	\$9,588,400	\$17,666,000	\$24,889,600	\$30,164,600	\$86,768,500	\$1,380,000	\$89,155,127

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH WET WEATHER TREATMENT FACILITY**

Project Ranking: **5**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$786,316	\$631,432	\$1,363,730	\$5,201,708	\$4,830,348	\$12,813,534	\$391,667	$13,205,201
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$786,316	\$631,432	\$1,363,730	\$5,201,708	\$4,830,348	\$12,813,534	\$391,667	\$13,205,201

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$380,700	\$0	\$0	\$0	\$0	\$380,700	\$0	\$380,700
Design/Project Management	0	0	0	0	0	0	83,400	267,400	228,900	1,616,748	0	\$1,616,748
City		0	0	0	7,500	5,000						
Contracted		0	0	0	398,116	626,432						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	1,280,330	4,934,308	4,601,448	10,816,086	391,667	\$11,207,753
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$786,316	\$631,432	\$1,363,730	\$5,201,708	\$4,830,348	\$12,813,534	\$391,667	\$13,205,201

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **COLUMBIA SLOUGH WWTF INFLUENT PUMP STATION**

Objectives:

Project Ranking: **7**

Maintenance/Repair

Replacement

Project Identification Number: **NEW**

Mandated

Expansion

Efficiency

X

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$180,342	\$341,284	\$593,224	\$3,362,800	\$2,790,450	\$7,268,100	\$0	$7,268,100
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$180,342	\$341,284	\$593,224	\$3,362,800	\$2,790,450	\$7,268,100	\$0	\$7,268,100

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						36,300	172,900	132,200	863,026	0	\$863,026
City		0	0	0	6,400	5,000						
Contracted		0	0	0	173,942	336,284						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						556,924	3,189,900	2,658,250	6,405,074	0	\$6,405,074
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$180,342	\$341,284	\$593,224	\$3,362,800	\$2,790,450	\$7,268,100	\$0	\$7,268,100

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$150,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **RAMSEY LAKE STORM TRUNK**

Project Ranking: **8**

Project Identification Number: **5273**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year		FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
				FY 94-95	FY 95-96							
Sewer Construction Fund	\$0	\$0	\$29,279	\$2,375,000	\$3,532,300	\$0	\$0	\$0	\$0	\$3,532,300	\$0	\$5,936,579
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$29,279	\$2,375,000	\$3,532,300	\$0	\$0	\$0	\$0	\$3,532,300	\$0	\$5,936,579

0

Costs/Schedule:

Planning	\$0	\$0	\$3,460	\$3,519	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,979
Design/Project Management	0						0	0	0	564,300	0	\$602,653
City		0	24,871	13,482	564,300	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	2,968,000	0	\$5,326,947
City		0	948	197,333	145,000	0						0
Contracted		0	0	2,160,666	2,823,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$29,279	\$2,375,000	\$3,532,300	\$0	\$0	\$0	\$0	\$3,532,300	\$0	\$5,936,579

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **RAMSEY LAKE STORM WETLANDS**

Project Ranking: **9**

Project Identification Number: **5186**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year					5 Year Total	Year 6 thru Completion	Total Project Costs	
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Sewer Construction Fund	\$252	\$0	\$110,607	\$485,000	\$1,070,300	\$22,400	\$21,300	\$21,100	\$20,900	\$1,156,000	\$0	\$1,751,859
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$252	\$0	\$110,607	\$485,000	\$1,070,300	\$22,400	\$21,300	\$21,100	\$20,900	\$1,156,000	\$0	\$1,751,859

Costs/Schedule:

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year					5 Year Total	Year 6 thru Completion	Total Project Costs	
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00			
Planning	\$252	\$0	\$70,682	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,934
Design/Project Management	0	0	35,386	25,000	170,300	2,400	1,300	1,100	900	176,000	0	\$176,000
City		0	4,429	0	0	0						
Contracted		0	0	0	350,000	0	20,000	20,000	20,000	410,000	0	\$410,000
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	20	0	75,000	2,000	0	0	0	570,000	0	\$570,000
City		0	90	460,000	475,000	18,000						
Contracted		0	0	0	0	0	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$252	\$0	\$110,607	\$485,000	\$1,070,300	\$22,400	\$21,300	\$21,100	\$20,900	\$1,156,000	\$0	\$1,751,859

Estimated Additional Operating/Maintenance Costs	\$0	\$10,000	\$20,000	\$20,000	\$20,000	\$20,000	\$20,000	\$90,000	\$100,000	\$190,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **ST JOHNS 'A' CSO PROJECT**

Project Ranking: **10**

Project Identification Number: **5266**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$12,819	\$2,000,000	\$3,710,700	\$0	\$0	\$0	\$0	\$3,710,700	\$0	$5,723,519
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$12,819	\$2,000,000	\$3,710,700	\$0	\$0	\$0	\$0	\$3,710,700	\$0	\$5,723,519

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$6,105	\$3,481	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,586
Design/Project Management	0	0	0	0	0	0	0	0	0	597,700	0	\$619,458
City		0	6,714	7,253	179,200	0	0	0	0			
Contracted		0	0	14,505	418,500	0	0	0	0			
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	3,113,000	0	\$5,087,761
City		0	0	81,230	176,000	0	0	0	0			
Contracted		0	0	1,893,531	2,937,000	0	0	0	0			
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$12,819	\$2,000,000	\$3,710,700	\$0	\$0	\$0	\$0	\$3,710,700	\$0	\$5,723,519

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$10,000	\$10,000	\$10,000	\$10,000	\$40,000	\$40,000	\$80,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **OSWEGO BASIN SEPARATION**

Project Ranking: **11**

Project Identification Number: **5292**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$6,362	\$0	\$65,400	\$1,992,000	\$5,059,600	\$0	\$0	\$7,117,000	\$0	\$7,123,362
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$6,362	\$0	\$65,400	\$1,992,000	\$5,059,600	\$0	\$0	\$7,117,000	\$0	\$7,123,362

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$4,262	\$0			\$0	\$0	\$0	\$0	\$0	\$4,262
Design/Project Management	0	0	0	0	0	0	312,600	0	0	787,000	0	\$787,000
City	0	0	2,100	0	65,400	409,000	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	4,747,000	0	0	6,330,000	0	\$6,330,000
City	0	0	0	0	0	70,000	0	0	0	0	0	\$0
Contracted	0	0	0	0	0	1,513,000	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$6,362	\$0	\$65,400	\$1,992,000	\$5,059,600	\$0	\$0	\$7,117,000	\$0	\$7,123,362

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000	\$50,000	\$70,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **STORMWATER INFILTRATION SUMPS**

Objectives:

Project Ranking: **12**

Maintenance/Repair

Replacement

Project Identification Number: **5083**

Mandated

Expansion

System: **SEWAGE**

Efficiency

Program: **COMBINED SEWER OVERFLOW**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$5,249,867	\$6,600,000	\$8,879,624	\$6,000,000	\$4,019,800	\$3,803,800	\$3,600,300	\$3,563,200	\$3,548,200	\$18,535,300	\$0	\$38,664,791
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$5,249,867	\$6,600,000	\$8,879,624	\$6,000,000	\$4,019,800	\$3,803,800	\$3,600,300	\$3,563,200	\$3,548,200	\$18,535,300	\$0	\$38,664,791

Costs/Schedule:

Planning	\$33,186	\$0	\$65,403	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$98,589
Design/Project Management	231,040						320,300	283,200	268,200	2,135,300	0	\$2,366,340
City		76,881	198,634	210,000	369,900	261,900						
Contracted		0	56,971	0	369,900	261,900						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	4,985,641						3,280,000	3,280,000	3,280,000	16,400,000	0	\$21,385,641
City		73,647	331,489	425,000	260,000	260,000						
Contracted		6,449,472	8,227,127	5,365,000	3,020,000	3,020,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$5,249,867	\$6,600,000	\$8,879,624	\$6,000,000	\$4,019,800	\$3,803,800	\$3,600,300	\$3,563,200	\$3,548,200	\$18,535,300	\$0	\$38,664,791

Estimated Additional Operating/Maintenance Costs

\$0	\$40,000	\$80,000	\$120,000	\$120,000	\$120,000	\$480,000	\$130,000	\$610,000
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Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project Title: **DOWNSPOUT DISCONNECTION PROGRAM**

Project Ranking: **13**

Project Identification Number: **5161**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$1,720	\$221,081	\$79,899	\$2,000,000	\$2,212,000	\$7,787,800	\$10,800,900	\$10,489,300	\$9,006,900	\$40,296,900	\$1,985,000	$44,363,519
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$1,720	\$221,081	\$79,899	\$2,000,000	\$2,212,000	\$7,787,800	\$10,800,900	\$10,489,300	\$9,006,900	\$40,296,900	\$1,985,000	\$44,363,519

Costs/Schedule:

Planning	\$1,720	\$123,529	\$69,180	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,900
Design/Project Management	0						4,716,900	4,519,300	3,858,900	17,700,900	0	\$17,700,900
City		0	3,233	242,000	970,000	3,635,800						
Contracted		0	1,039	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						6,084,000	5,970,000	5,148,000	22,596,000	1,985,000	\$24,581,000
City		0	197	427,000	1,242,000	4,152,000						
Contracted		97,552	6,250	1,331,000	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$1,720	\$221,081	\$79,899	\$2,000,000	\$2,212,000	\$7,787,800	\$10,800,900	\$10,489,300	\$9,006,900	\$40,296,900	\$1,985,000	\$44,363,519

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **WILLAMETTE SITE ACQUISITION**

Project Ranking: **14**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$83,200	\$0	\$0	\$0	\$0	\$83,200	\$0	\$83,200
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$83,200	\$0	\$0	\$0	\$0	\$83,200	\$0	\$83,200

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	83,200	0	\$83,200
City		0	0	0	59,200	0						
Contracted		0	0	0	24,000	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$83,200	\$0	\$0	\$0	\$0	\$83,200	\$0	\$83,200

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **TANNER CREEK/NICOLAI**

Project Ranking: **15**

Project Identification Number: **5322**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$2,536	\$300,000	\$577,826	\$0	\$5,432,400	\$6,630,900	\$7,327,300	\$19,968,426	\$2,689,000	\$22,959,962
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$2,536	\$300,000	\$577,826	\$0	\$5,432,400	\$6,630,900	\$7,327,300	\$19,968,426	\$2,689,000	\$22,959,962

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						682,400	515,900	347,300	2,123,426	0	\$2,123,426
City		0	2,536	10,000	29,600	0						
Contracted		0	0	260,000	548,226	0						
Site Acquisition	0	0	0	30,000	0	0	4,750,000	6,115,000	6,980,000	17,845,000	2,689,000	\$20,564,000
Construction	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$2,536	\$300,000	\$577,826	\$0	\$5,432,400	\$6,630,900	\$7,327,300	\$19,968,426	\$2,689,000	\$22,959,962

Estimated Additional Operating/Maintenance Costs

\$0	\$0	\$0	\$2,000	\$3,000	\$4,000	\$9,000	\$6,000	\$15,000
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Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project Title: **ST JOHNS "B" SEPARATION - PH2**

Project Ranking: **16**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$0	\$35,700	\$33,800	\$0	\$0	\$0	\$69,500	\$0	\$69,500
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$35,700	\$33,800	\$0	\$0	\$0	\$69,500	\$0	\$69,500

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	9,500	0	\$9,500
City		0	0	0	5,700	3,800						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	60,000	0	\$60,000
City		0	0	0	3,000	3,000						
Contracted		0	0	0	27,000	27,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$35,700	\$33,800	\$0	\$0	\$0	\$69,500	\$0	\$69,500

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **CATHEDRAL PARK WATER QUALITY FACILITY**

Project Ranking: **17**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$701,700	\$0	\$0	\$0	\$0	\$701,700	\$0	$701,700
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$701,700	\$0	\$0	\$0	\$0	\$701,700	\$0	\$701,700

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0		0	171,700	0	\$171,700
City		0	0	0	26,800	0						
Contracted		0	0	0	144,900	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0		0	530,000	0	\$530,000
City		0	0	0	20,000	0						
Contracted		0	0	0	510,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$701,700	\$0	\$0	\$0	\$0	\$701,700	\$0	\$701,700

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **FISKE "B" SEPARATION: LOCAL SEPARATION**

Project Ranking: **18**

Project Identification Number: **5249**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$19,983	\$2,290,000	\$0	\$3,826,400	\$0	\$0	\$0	\$3,826,400	\$0	$6,136,383
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$19,983	\$2,290,000	\$0	\$3,826,400	\$0	\$0	\$0	\$3,826,400	\$0	\$6,136,383

Costs/Schedule:

Planning	\$0	\$0	\$1,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,200
Design/Project Management	0	0	16,337	57,126	0	426,400	0	0	0	426,400	0	\$426,400
City												
Contracted		0	0	6,841	0	0						
Site Acquisition	0	0	0	66,704	0	0	0	0	0	0	0	\$66,704
Construction	0	0	0	0	0	0	0	0	0	0	0	\$0
City												
Contracted		0	2,446	196,624	0	200,000				3,400,000	0	\$3,400,000
Major Equipment	0	0	0	1,962,705	0	3,200,000						\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$19,983	\$2,290,000	\$0	\$3,826,400	\$0	\$0	\$0	\$3,826,400	\$0	\$6,136,383

Estimated Additional Operating/Maintenance Costs

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000
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Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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PROJECT DETAIL

Project Title: **SELLWOOD BASIN SEPARATION**

Project Ranking: **19**

Project Identification Number: **5380**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Sewer Construction Fund	\$0	\$0	\$0	\$400,000	\$0	\$821,600	\$3,461,900	\$2,867,400	\$0	\$7,150,900	\$0	\$7,550,900
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$400,000	\$0	\$821,600	\$3,461,900	\$2,867,400	\$0	\$7,150,900	\$0	\$7,550,900

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						211,900	147,400	0	940,900	0	\$940,900
City		0	0	17,000	0	34,600						
Contracted		0	0	0	0	547,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						3,250,000	2,720,000	0	6,210,000	0	\$6,210,000
City		0	0	49,800	0	20,000						
Contracted		0	0	333,200	0	220,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$400,000	\$0	\$821,600	\$3,461,900	\$2,867,400	\$0	\$7,150,900	\$0	\$7,550,900

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$10,000	\$10,000	\$10,000	\$30,000	\$50,000	\$80,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **NW 110TH AVE (LINNTON) PUMP STATION REMODEL**

Project Ranking: **20**

Project Identification Number: **5037**

System: **SEWAGE**

Program: **COMBINED SEWER OVERFLOW**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$43,566	\$150,500	\$1,680	\$0	\$23,800	\$33,800	\$596,600	\$0	\$0	\$654,200	\$0	$699,446
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$43,566	\$150,500	\$1,680	\$0	\$23,800	\$33,800	\$596,600	\$0	\$0	\$654,200	\$0	\$699,446

Costs/Schedule:

Planning	\$43,566	\$0	\$200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,766
Design/Project Management	0						36,600	0	0	94,200	0	\$94,200
City		82,328	976	0	23,800	33,800						
Contracted		0	504	0	0	0						
Site Acquisition	0	5,000	0	0	0	0	0	0	0	0	0	\$0
Construction	0						560,000	0	0	560,000	0	\$560,000
City		24,134	0	0	0	0						
Contracted		39,038	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$43,566	\$150,500	\$1,680	\$0	\$23,800	\$33,800	\$596,600	\$0	\$0	\$654,200	\$0	\$699,446

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$20,000	\$50,000	\$70,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **WESTERN HALF LENTS I: LOCAL SEPARATION**

Objectives:

Project Ranking: **21**

Maintenance/Repair

Replacement

Project Identification Number: **NEW**

Mandated

Expansion

System: **SEWAGE**

Efficiency

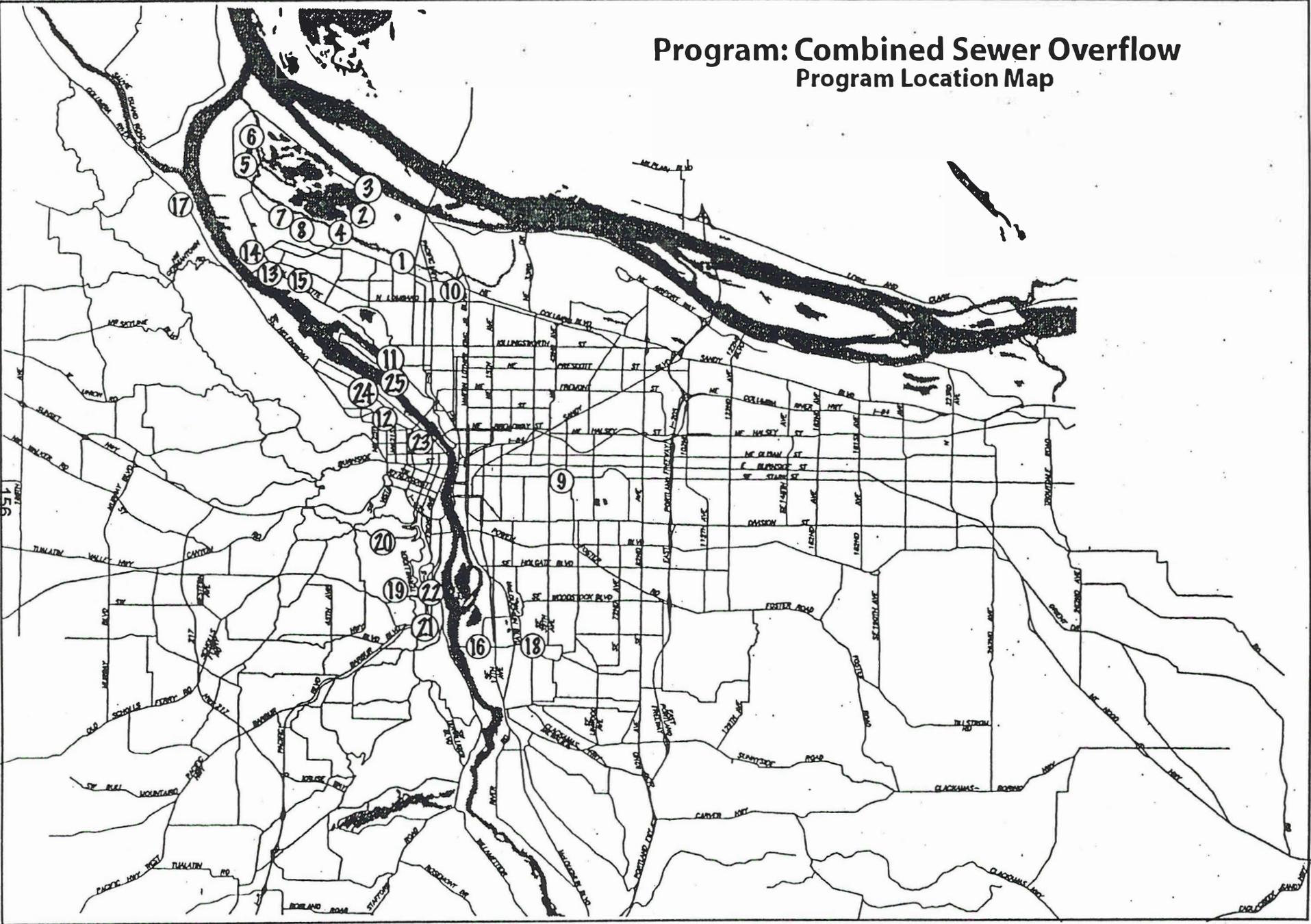
Program: **COMBINED SEWER OVERFLOW**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$112,600	\$213,000	\$210,800	\$0	\$536,400	\$2,460,021	$2,996,421
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$0	\$112,600	\$213,000	\$210,800	\$0	\$536,400	\$2,460,021	\$2,996,421

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	213,000	210,800	0	536,400	0	\$536,400
City		0	0	0	0	112,600						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	0	2,460,021	\$2,460,021
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$0	\$112,600	\$213,000	\$210,800	\$0	\$536,400	\$2,460,021	\$2,996,421

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Program: Combined Sewer Overflow Program Location Map



Program: Combined Sewer Overflow

Program Location Legend

- ① Columbia Slough Conduit
- ② Columbia Slough Wet Weather Treatment Facility
- ③ Wet Weather Treatment Facility (WWTF)
- ④ Columbia Slough WWTF Pump Station
- ⑤ Ramsey Lake Storm Trunk
- ⑥ Ramsey Lake Storm Wetlands
- ⑦ St. Johns "A" CSO Project
- ⑧ Oswego Basin Separation
- ⑨ Stormwater Infiltration Sumps
- ⑩ Downspout Disconnect Program
- ⑪ Willamette Site Acquisition
- ⑫ Tanner Creek/Nicolai
- ⑬ St. Johns "B" Separation - Phase 2
- ⑭ Cathedral Park Water Quality Facility
- ⑮ Fiske "B" Basin: Local Separation
- ⑯ Sellwood Basin: Local Separation
- ⑰ NW 110th Avenue Separation
- ⑱ Western Half Lents I Separation
- ⑲ Carolina Basin Stream Diversion
- ⑳ Woods Sheridan Stream Diversion
- ㉑ California Street Storage
- ㉒ California Consolidation Conduit
- ㉓ Ankeny/Balch Consolidation Conduit
- ㉔ Balch Pump Station
- ㉕ Balch River Crossing

PROJECT DETAIL

Project Title: **POLLUTION CONTROL LABORATORY**

Project Ranking: **1**

Project Identification Number: **4618**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$504,928	\$1,992,260	\$531,239	\$3,117,800	\$6,000,000	\$3,000,000	\$0	\$0	\$0	\$9,000,000	\$0	$13,153,967
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$504,928	\$1,992,260	\$531,239	\$3,117,800	\$6,000,000	\$3,000,000	\$0	\$0	\$0	\$9,000,000	\$0	\$13,153,967

Costs/Schedule:

Planning	\$114,655	\$50,630	\$495,945	\$280,221	\$25,000	\$0	\$0	\$0	\$0	\$25,000	\$0	\$915,821
Design/Project Management	1,093						0	0	0	1,225,000	0	\$1,226,093
City		77,781	10,432	0	280,000	140,000						
Contracted		1,499,370	4,684	1,048,000	625,000	180,000						
Site Acquisition	53,360	0	0	0	0	0	0	0	0	0	0	\$53,360
Construction	335,820									6,990,000	0	\$7,325,820
City		0	820	0	0	0						
Contracted		364,479	19,358	1,689,579	4,310,000	2,680,000						
Major Equipment	0	0	0	100,000	760,000	0	0	0	0	760,000	0	\$860,000
Total Annual Costs	\$504,928	\$1,992,260	\$531,239	\$3,117,800	\$6,000,000	\$3,000,000	\$0	\$0	\$0	\$9,000,000	\$0	\$13,153,967

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$162	\$325	\$330	\$340	\$1,157	\$0	\$1,157
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **POLLUTION CONTROL LABORATORY EQUIPMENT**

Objectives:

Project Ranking: **2**

Maintenance/Repair

Replacement

Project Identification Number: **5024**

Mandated

Expansion

System: **SEWAGE**

Efficiency

X

Program: **SYSTEMS DEVELOPMENT**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$54,288	\$58,000	\$56,500	\$60,800	\$600,000	\$1,000,000	\$0	\$0	\$0	\$1,600,000	\$0	$1,771,588
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$54,288	\$58,000	\$56,500	\$60,800	\$600,000	\$1,000,000	\$0	\$0	\$0	\$1,600,000	\$0	\$1,771,588

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0	\$0
City		0	0	15,327	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						0	0	0	0	0	\$0
City		0	1,554	0	0	0						
Contracted		0	14,360	0	0	0						
Major Equipment	54,288	58,000	40,586	45,473	600,000	1,000,000	0	0	0	1,600,000	0	\$1,740,347
Total Annual Costs	\$54,288	\$58,000	\$56,500	\$60,800	\$600,000	\$1,000,000	\$0	\$0	\$0	\$1,600,000	\$0	\$1,771,588

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **LONGVIEW CITY LAUNDRY & CLEANERS REMEDIATION**

Project Ranking: **3**

Project Identification Number: **NEW**

System: **ENVIRONMENTAL REMEDIATION**

Program: **SYSTEM DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
Env. Remediation Fund (157)	0	0	0	0	367,300	0	0	0	0	367,300	0	\$367,300
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$367,300	\$0	\$0	\$0	\$0	\$367,300	\$0	\$367,300

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$38,300	\$0	\$0	\$0	\$0	\$38,300	\$0	\$38,300
Design/Project Management	0	0	0	0	0	0	0	0	0	77,000	0	\$77,000
City		0	0	0	38,500	0						
Contracted		0	0	0	38,500	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	252,000	0	\$252,000
City		0	0	0	0	0						
Contracted		0	0	0	252,000	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$367,300	\$0	\$0	\$0	\$0	\$367,300	\$0	\$367,300

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **HYDRA CONTINGENCY/REDUNDANCY**

Project Ranking: **4**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$97,000	\$0	\$0	\$0	\$0	\$97,000	
Grants	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
Total	\$0	\$0	\$0	\$0	\$97,000	\$0	\$0	\$0	\$0	\$97,000	\$0	\$97,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0		\$0
Construction	0						0	0	0	0		\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	97,000	0	0	0	0	97,000		\$97,000
Total Annual Costs	\$0	\$0	\$0	\$0	\$97,000	\$0	\$0	\$0	\$0	\$97,000	\$0	\$97,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **KEYPOINT MONITORING PROGRAM**

Objectives:

Project Ranking: **5**

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Project Identification Number: **5089**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$43,566	\$56,000	\$43,636	\$26,000	\$52,500	\$0	\$0	\$0	\$0	\$52,500		$165,702
Grants	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
Total	\$43,566	\$56,000	\$43,636	\$26,000	\$52,500	\$0	\$0	\$0	\$0	\$52,500	\$0	\$165,702

Costs/Schedule:

Planning	\$0	\$0	\$20	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20
Design/Project Management	0						0	0	0	0	0	\$0
City		0	3,029	16,280	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0		\$0
Construction	0						0	0	0	20,000		\$20,000
City		0	0	0	8,000	0						
Contracted		0	18,156	0	12,000	0						
Major Equipment	43,566	56,000	22,431	9,720	32,500	0	0	0	0	32,500		\$108,217
Total Annual Costs	\$43,566	\$56,000	\$43,636	\$26,000	\$52,500	\$0	\$0	\$0	\$0	\$52,500	\$0	\$165,702

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$45,000	\$25,000	\$25,000	\$25,000	\$25,000	\$145,000	\$0	\$145,000
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **STORM FACILITIES MONITORING**

Project Ranking: **6**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SYSTEM DEVELOPMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	
Grants	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
Total	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0	\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0		\$0
Construction	0						0	0	0	0		\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	0	50,000	0	0	0	0	50,000		\$50,000
Total Annual Costs	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$50,000	\$0	\$50,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **SEWER EXTENSION PROGRAM**

Project Ranking: **7**

Project Identification Number: **5246**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$449,500	\$513,527	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$7,000,000	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$449,500	\$513,527	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$7,000,000	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$16,834	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	172,649	65,021	80,000	80,000	120,000	120,000	120,000	560,000	0	\$0
City		0	172,649	65,021	80,000	80,000						
Contracted		0	1,738	71,000	20,000	20,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	1,280,000	1,280,000	1,230,000	6,390,000	0	\$0
City		449,500	31,027	33,356	100,000	100,000						
Contracted		0	291,279	1,030,623	1,200,000	1,200,000						
Major Equipment	0	0	0	0	0	0	0	0	50,000	50,000	0	\$0
Total Annual Costs	\$0	\$449,500	\$513,527	\$1,200,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$1,400,000	\$7,000,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **PERMITS**

Project Ranking: **8**

Project Identification Number: **5218**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$299,998	\$422,511	\$330,000	\$360,000	\$400,000	\$425,000	\$450,000	\$475,000	\$2,110,000	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$299,998	\$422,511	\$330,000	\$360,000	\$400,000	\$425,000	\$450,000	\$475,000	\$2,110,000	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$2,251	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						100,000	110,000	115,000	505,000	0	\$0
City		65,419	45,014	70,879	80,000	100,000						
Contracted		0	6,612	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						325,000	340,000	360,000	1,605,000	0	\$0
City		51,051	110,128	7,798	0	0						
Contracted		183,528	258,506	251,323	280,000	300,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$299,998	\$422,511	\$330,000	\$360,000	\$400,000	\$425,000	\$450,000	\$475,000	\$2,110,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **BTE INTERAGENCY**

Project Ranking: **9**

Project Identification Number: **4895**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95						Total	Completion	Project Costs
Sewer Construction Fund	\$0	\$23,754	\$157,045	\$100,500	\$190,000	\$115,000	\$115,000	\$115,000	\$115,000	\$650,000	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$23,754	\$157,045	\$100,500	\$190,000	\$115,000	\$115,000	\$115,000	\$115,000	\$650,000	On-going	On-going

Costs/Schedule:

Planning	\$0	\$0	\$5,119	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						30,000	30,000	30,000	168,000	0	\$0
City		23,754	50,677	98,125	48,000	30,000						
Contracted		0	5,876	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						85,000	85,000	85,000	482,000	0	\$0
City		0	36,309	2,375	142,000	85,000						
Contracted		0	59,064	0	0	0						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$23,754	\$157,045	\$100,500	\$190,000	\$115,000	\$115,000	\$115,000	\$115,000	\$650,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **NE 158TH/148TH AVE SANITARY SEWER**

Project Ranking: **10**

Project Identification Number: **5331**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$478,490	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	$678,490
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$478,490	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$678,490

Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	38,203	0	0	0	0	0	0	0	\$0
City		0	0	38,203	0	0	0	0	0	0	0	
Contracted		0	0	18,560	0	0	0	0	0	0	0	
Site Acquisition	0	0	0	33,000	0	0	0	0	0	0	0	\$33,000
Construction	0	0	0	15,021	10,000	0	0	0	0	200,000	0	\$200,000
City		0	0	15,021	10,000	0	0	0	0	0	0	
Contracted		0	0	373,706	190,000	0	0	0	0	0	0	
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$478,490	\$200,000	\$0	\$0	\$0	\$0	\$200,000	\$0	\$678,490

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **DRAINAGE IMPROVEMENT PROGRAM**

Objectives:

Project Ranking: **11**

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Project Identification Number: **4894**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$400,000	\$213,920	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	\$0	$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$400,000	\$213,920	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	On-going	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$1,102	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						20,000	20,000	20,000	100,000	0	\$0
City		93,792	1,379	159,040	20,000	20,000						
Contracted		0	0	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						480,000	480,000	480,000	2,400,000	0	\$0
City		19,773	74,010	11,815	30,000	30,000						
Contracted		286,435	137,429	329,145	450,000	450,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$400,000	\$213,920	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000	\$2,500,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **SOUTH AIRPORT SANITARY TRUNK SEWER**

Project Ranking: **12**

Project Identification Number: **5413**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$750,000	\$1,000,000	\$1,000,000	\$0	\$0	\$2,750,000	\$0	$2,750,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$750,000	\$1,000,000	\$1,000,000	\$0	\$0	\$2,750,000	\$0	\$2,750,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	100,000	10,000	10,000	0	0	120,000	0	\$120,000
City		0	0	0	100,000	10,000	10,000	0	0	120,000	0	\$120,000
Contracted		0	0	0	0	0	0	0	0	0	0	\$0
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	100,000	990,000	0	0	2,630,000	0	\$2,630,000
City		0	0	0	0	100,000	990,000	0	0	2,630,000	0	\$2,630,000
Contracted		0	0	0	650,000	890,000	0	0	0	0	0	\$0
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$750,000	\$1,000,000	\$1,000,000	\$0	\$0	\$2,750,000	\$0	\$2,750,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **NE 63RD AVENUE PUMP STATION**

Project Ranking: **13**

Project Identification Number: **5414**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	X
Expansion	
Efficiency	

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$510,000	\$0	\$0	\$0	\$0	\$510,000	\$0	$510,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$510,000	\$0	\$0	\$0	\$0	\$510,000	\$0	\$510,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	0	0	0	20,000	0	\$20,000
City		0	0	0	20,000	0	0	0	0			
Contracted		0	0	0	0	0	0	0	0			
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	0	0	0	0	0	490,000	0	\$490,000
City		0	0	0	40,000	0	0	0	0			
Contracted		0	0	0	450,000	0	0	0	0			
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$510,000	\$0	\$0	\$0	\$0	\$510,000	\$0	\$510,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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PROJECT DETAIL

Project Title: **PERMIT REIMBURSEMENT**

Project Ranking: **14**

Project Identification Number: **5219**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair

Replacement

Mandated

Expansion

Efficiency

X

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 Year	Year 6 thru	Total	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	Total	Completion	Project Costs	
Sewer Construction Fund	\$0	\$200,000	\$24,228	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$200,000	\$24,228	\$200,000	\$1,000,000	On-going	On-going						

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Costs/Schedule:

Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0	0	\$0
City		0	0	28,801	0	0							
Contracted		0	0	0	0	0							
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						200,000	200,000	200,000	1,000,000			\$0
City		200,000	24,228	0	0	0							
Contracted		0	0	171,199	200,000	200,000							
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$200,000	\$24,228	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000	On-going	On-going	

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

PROJECT DETAIL

Project Title: **SANITARY SYSTEM IMPROVEMENT**

Project Ranking: **15**

Project Identification Number: **4893**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year	Year 6 thru	Total
		FY 93-94	FY 93-94	FY 94-95						Total	Completion	Project Costs
Sewer Construction Fund	\$0	\$37,374	\$66,298	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	\$0	\$0
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$37,374	\$66,298	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	On-going	On-going

Costs/Schedule:

Planning	\$0	\$0	\$198	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0						0	0	0	0	0	\$0
City		28,024	61,616	8,128	0	0						
Contracted		0	4,484	0	0	0						
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0						100,000	100,000	100,000	500,000	0	\$0
City		9,350	0	141,872	0	0						
Contracted		0	0	0	100,000	100,000						
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$37,374	\$66,298	\$150,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000	On-going	On-going

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

172

PROJECT DETAIL

Project Title: **SEWERAGE FACILITIES PROGRAM**

Project Ranking: **16**

Project Identification Number: **NEW**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0	\$1,000,000	\$1,400,000	\$0	$1,400,000
Grants	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
	0	0	0	0	0	0	0	0	0	0	0	\$0
Total	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0	\$1,000,000	\$1,400,000	\$0	\$1,400,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	40,000	0	0	0	100,000	140,000	0	\$140,000
City		0	0	0	40,000	0	0	0	0	0	0	
Contracted		0	0	0	0	0	0	0	0	0	0	
Site Acquisition	0	0	0	0	0	0	0	0	0	0	0	\$0
Construction	0	0	0	0	40,000	0	0	0	900,000	1,260,000	0	\$1,260,000
City		0	0	0	40,000	0	0	0	0	0	0	
Contracted		0	0	0	320,000	0	0	0	0	0	0	
Major Equipment	0	0	0	0	0	0	0	0	0	0	0	\$0
Total Annual Costs	\$0	\$0	\$0	\$0	\$400,000	\$0	\$0	\$0	\$1,000,000	\$1,400,000	\$0	\$1,400,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

173

PROJECT DETAIL

Project Title: **GEOGRAPHIC INFORMATION SYSTEMS**

Objectives:

Project Ranking: **17**

Maintenance/Repair	
Replacement	
Mandated	
Expansion	
Efficiency	X

Project Identification Number: **5390**

System: **SEWAGE**

Program: **SYSTEMS DEVELOPMENT**

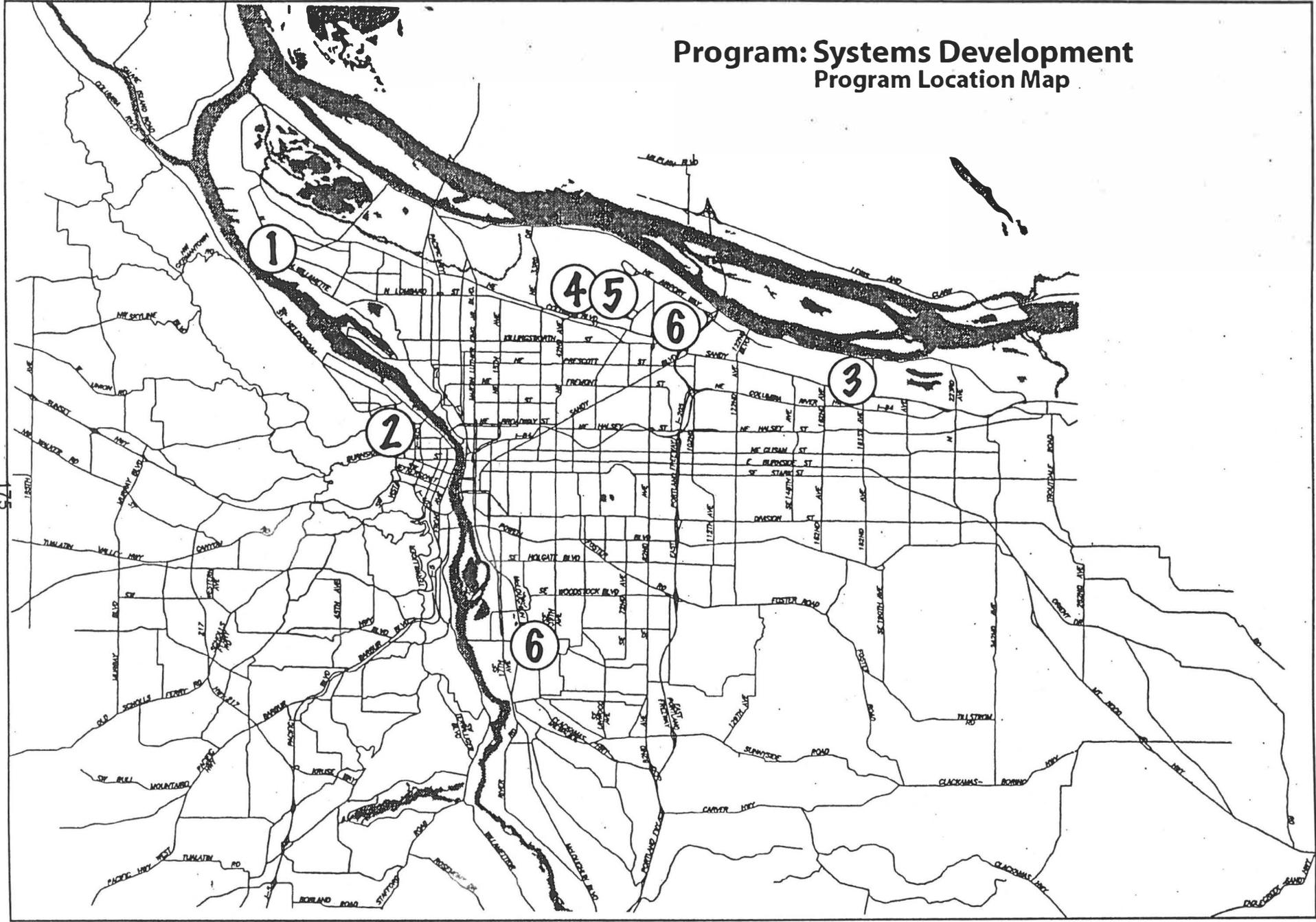
Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
	Sewer Construction Fund	\$0	\$0	\$0	\$300,000	\$300,000	\$500,000	\$500,000	\$500,000	\$300,000	\$2,100,000	\$0	$2,400,000
Grants	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
	0	0	0	0	0	0	0	0	0	0		\$0
Total	\$0	\$0	\$0	\$300,000	\$300,000	\$500,000	\$500,000	\$500,000	\$300,000	\$2,100,000	\$0	\$2,400,000

174

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Year Total	Year 6 thru Completion	Total Project Costs
Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Design/Project Management	0	0	0	0	0	0	400,000	400,000	200,000	1,650,000	0	\$1,650,000
City		0	0	50,000	100,000	200,000						
Contracted		0	0	150,000	150,000	200,000						
Site Acquisition	0	0	0	0	0	0	0	0	0	0		\$0
Construction	0	0	0	0	0	0	0	0	0	0		\$0
City		0	0	0	0	0						
Contracted		0	0	0	0	0						
Major Equipment	0	0	0	100,000	50,000	100,000	100,000	100,000	100,000	450,000		\$550,000
Total Annual Costs	\$0	\$0	\$0	\$300,000	\$300,000	\$500,000	\$500,000	\$500,000	\$300,000	\$2,100,000	\$0	\$2,400,000

Estimated Additional Operating/Maintenance Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Additional Operating/Maintenance (Savings)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Program: Systems Development Program Location Map



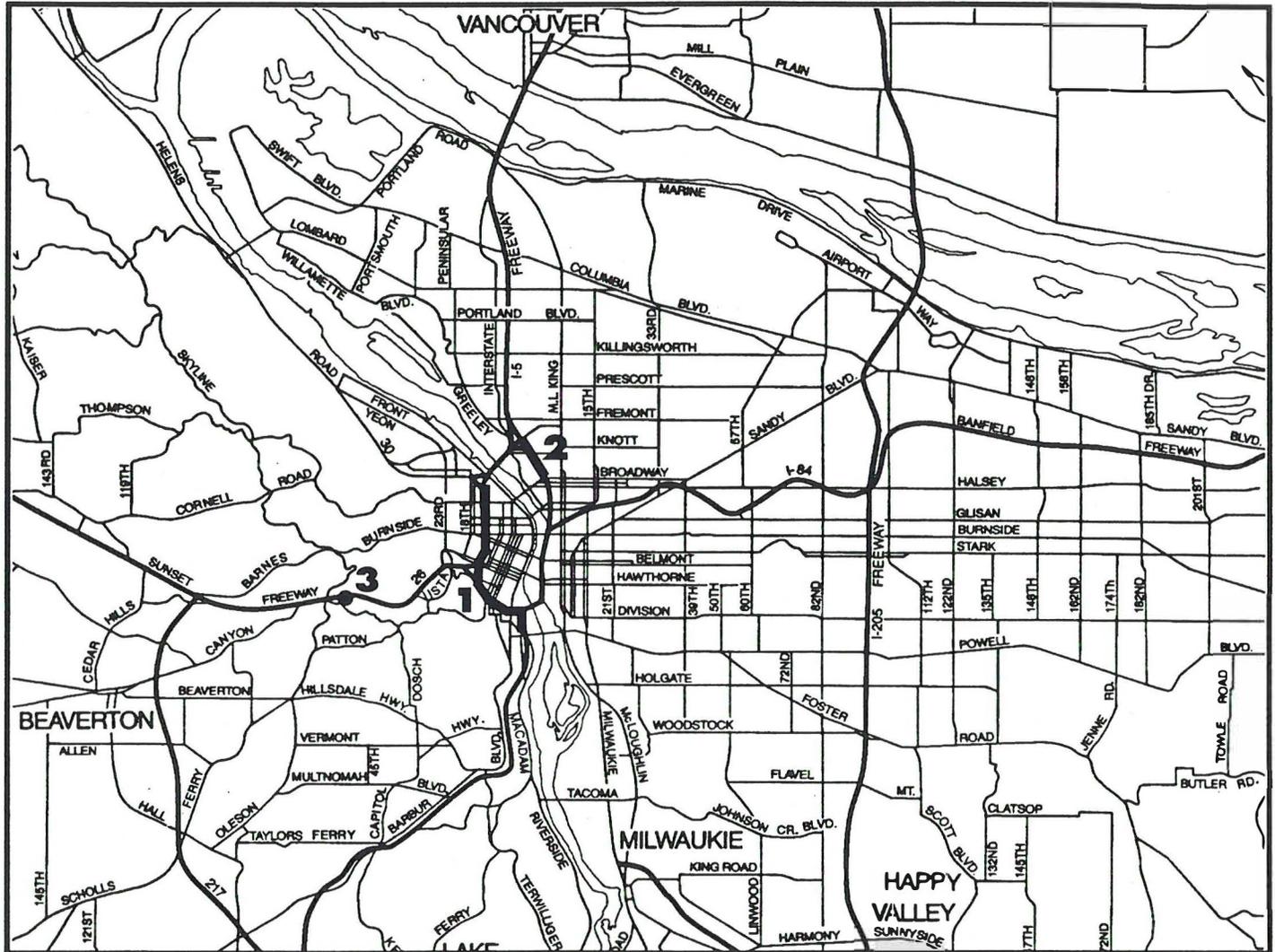
Program: Systems Development

Program Location Legend

- ① Pollution Control Lab
- ② Longview City Laundry Remediation
- ③ NE 158th/148th Avenue Sanitary Sewer
- ④ South Airport Sanitary Trunk Sewer
- ⑤ NE 63rd Avenue Pump Station
- ⑥ Sewerage Facilities Program

PROJECT DETAIL SHEETS

Transportation Capital System



1. I-405 Reconnaissance
2. I-5 Greeley Banfield, Phase II
3. Sunset Highway

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: SUNSET HIGHWAY

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	1
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	WSR/200
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS IS PART OF A COMBINED LIGHTRAIL AND HIGHWAY IMPROVEMENT PROJECT IN THE WESTSIDE CORRIDOR. THE OBJECTIVE IS TO INCREASE CAPACITY BY CORRECTING OPERATION/SAFETY DEFICIENCIES AND PRESERVE THE ABILITY OF THE HIGHWAY TO CARRY ITS SHARE OF CORRIDOR TRAFFIC. CITY WILL PROVIDE LIAISON AND COORDINATION WITH ODOT IN DESIGN/CONSTRUCTION OF PROJECTS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	21,115						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	274,870	103,108	104,298	64,298			271,704	
Other							0	
TOTAL	295,985	103,108	104,298	64,298	0	0	271,704	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt	D	D	D					
Site Acquisition								
Constr/Equip	C	C	C	C				
EST OPER/MAINT COSTS							0	

PROJECT: I-5 GREELEY BANFIELD PH 2

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	59
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	TRP/744
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

A TSM PROJECT TO CORRECT CAPACITY AND SAFETY PROBLEMS ON I-5 BETWEEN 1-405 AND THE 1-84 INTERCHANGE. THE PROJECT INCLUDES COLLECTOR DISTRIBUTOR ROADS SERVING THE FREEWAY TO FREEWAY CONNECTIONS AS WELL AS THE BROADWAY.WEIDLER INTERCHANGE. THE PROJECT IS TO BE CONSTRUCTED IN THREE PHASES.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	24,947	25,940	53,344	53,344	27,900,000	3,000,000	31,032,628	5,500,000
Other							0	
TOTAL	24,947	25,940	53,344	53,344	27,900,000	3,000,000	31,032,628	5,500,000
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt				D	D			
Site Acquisition					A			
Constr/Equip					C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: I-405 RECON
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Regional Trafficway

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

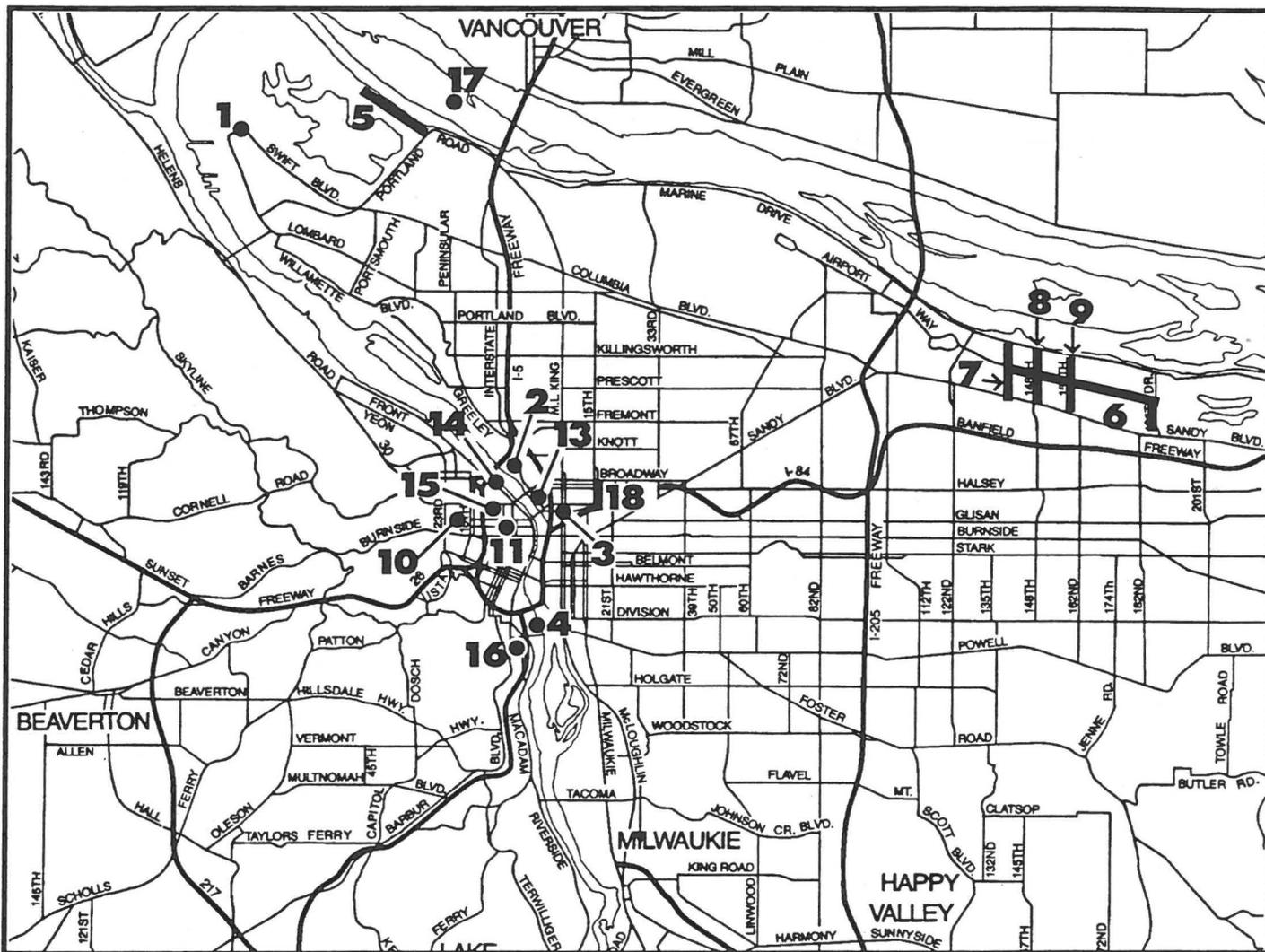
System Ranking: 70
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: TRP/747
 Neighbor'h'd Needs No:

PROJECT DESCRIPTION:

I-5 TSM RECONSTRUCTS I-5 BETWEEN I-84 AND I-405 PROVIDING NEW INTERCHANGE AT BROADWAY/WEIDLER AND COLLECTOR DISTRIBUTOR ROADS CONNECTING TO I-84 FROM I-5

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	45,060	65,040					65,040	
Other							0	
TOTAL	45,060	65,040	0	0	0	0	65,040	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P						
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	



- | | |
|---|---|
| <ul style="list-style-type: none"> 1. Columbia/Lombard - Rivergate South Entrance 2. Lower Albina Overcrossing 3. Martin Luther King Jr. Signal 4. North Macadam District 5. N Marine Drive/Portland Road to Rivergate 6. NE Airport Way 7. NE 138th/Sandy Blvd. to Marine Dr. 8. NE 148th/Sandy Blvd. to Marine Dr. 9. NE 158th/Sandy Blvd. to Marine Dr. | <ul style="list-style-type: none"> 10. NW Intersections, Phase II 11. NW 13th/Johnson to Savier 12. Oregon Arena Debt Service (not mapped) 13. Oregon Arena Project 14. River Access, Phase I 15. River District 16. South Portland Circulation Study 17. West Hayden Island 18. 15th/16th, Phase II 19. 15th/16th, Phase I Debt Service (not mapped) |
|---|---|

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: RIVER ACCESS PHASE I
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	4
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	OCC/863
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL CREATE SEVERAL LINKAGES BETWEEN THE EAST AND WEST SIDES OF THE CENTRAL CITY VIA PEDESTRIAN/BICYCLE OVERCROSSINGS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	49,500	40,000					40,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	109,040						0	
Other	280,500	223,266					223,266	
TOTAL	439,040	263,266	0	0	0	0	263,266	0
TOTAL LEVERAGED	0	1,300,000					1,300,000	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	D	.	.	.	.
Site Acquisition	.	A	.	.	.	.
Constr/Equip	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: OREGON ARENA PROJECT
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	8
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	CON/355
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT INCLUDES THE DEMOLITION AND RECONSTRUCTION OF STREETS AROUND THE NEW BLAZER ARENA. APPROXIMATELY 7,600 OF NEW STREET WILL BE CONSTRUCTED. INCLUDED IN THE ESTIMATE ARE 11 TRAFFIC SIGNAL INSTALLATIONS, HAZARDOUS MATERIALS REVIEW, SSM PERMITS, RWA SERVICES, AND OTHER SUPPORT WORK PERFORMED BY BTE&D, BTM, AND BOM.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts	163,726	36,765	0	0	0	0	36,765	
Fed/State/Other Local							0	
Other							0	
TOTAL	163,726	36,765	0	0	0	0	36,765	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	A	.	.	.	.	.
Constr/Equip	C	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: 15TH/16TH PHASE II

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	15
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	OCC/857
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT IS THE SECOND HALF OF THE ORIGINAL 15TH/16TH, 16TH TWO-WAY PROJECT. THE FIRST PHASE BUILD THE DECOUPLE. THIS PHASE WOULD BUILD A TWO-WAY 16TH.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	145,555	60,374	0	0	0	0	60,374	
TOTAL	145,555	60,374	0	0	0	0	60,374	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	-	-	-	-		
Design/Proj Mgt	D	D	-	-	-	-		
Site Acquisition	A	-	-	-	-	-		
Constr/Equip	C	C	-	-	-	-		
EST OPER/MAINT COSTS							0	

PROJECT: RIVER DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	22
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	CCT/504
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

MANAGE TRANSPORTATION ELEMENTS OF THE RIVER DISTRICT DEVELOPMENT PLAN. DESIGN AND CONSTRUCTION OF FRONT AVE, PED IMPROVEMENTS AND 3RD AVE XING. DESIGN AND CONSTRUCTION OF LOVEJOY RAMP. THE OVERALL GOAL IS TO DEVELOP AN IDENTIFIABLE COMMUNITY, COMPRISED OF DISTRICT NEIGHBORHOODS ORIENTED TO THE WILLAMETTE RIVER AND INTEGRATED WITH THE DOWNTOWN CORE AND NORTHWEST PORTLAND.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund	0		831,000				831,000	
Transportation	300,859	208,681	100,000	285,000	110,000	735,000	1,438,681	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	722,500	4,275,000	4,920,000	1,625,000	0	11,542,500	
Other	0	980,000					980,000	
TOTAL	300,859	1,911,181	5,206,000	5,205,000	1,735,000	735,000	14,792,181	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P	P	P		
Design/Proj Mgt		D	-	-	-	D		
Site Acquisition		-	-	-	-	-		
Constr/Equip		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: N MARINE DRIVE - RIVERGATE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:	23
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /3022
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT A FOUR AND FIVE LANE STREET CONNECTING THE RIVERGATE INDUSTRIAL PARK WITH INTERSTATE 5. THE PROJECT WILL INCREASE THE CAPACITY OF THE EXISTING ROADWAY TO MANAGE THE PREDICTED TRAFFIC RESULTING FROM THE FUTURE DEVELOPMENT OF THE RIVERGATE AREA.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,683,441	182,191					182,191	
Rate/Charge/Contracts							0	
Fed/State/Other Local	5,973,833	0	0	0	0	0	0	
Other							0	
TOTAL	8,657,274	182,191	0	0	0	0	182,191	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	A	.	.	.	.	.
Constr/Equip	C	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: NORTH MACADAM

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	26
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	OCC/867
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

STUDY AND CONSTRUCT IMPROVEMENTS IN THE N. MACADAM AREA IN ORDER TO PROVIDE THE STREET SYSTEM TO SUPPORT REDEVELOPMENT IN THE AREA FOR HIGH DENSITY HOUSING AND EMPLOYMENT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	0	0	0	0	0	0	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE AIRPORT WAY
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES	
Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	
City-wide Ranking:	
Identification No:	AE /406
Neighborh'd Needs No:	

System Ranking:	42
Public Facility Plan?	YES
Urban Services?	NO
Asset Mgmt Plan?	YES
Financial Analysis?	YES

PROJECT DESCRIPTION:

FEDERAL LAW REQUIRES A 5 YEAR ESTABLISHMENT AND MONITORING PROGRAM. REQUIREMENTS INCLUDE: ANNUAL PHOTODOCUMENTATION OF PLANT SURVIVAL, REPLANTING, RECORDING OF WILDLIFE USE, WATER QUALITY SAMPLING AND TESTING, CONTROL OF UNWANTED VEGETATION, CLEANING TRASH RACKS, WATER LEVEL MANAGEMENT, AND PREPARATION OF A COMPREHENSIVE ANNUAL REPORT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	2,889,720	56,854	50,000	50,000	50,000		206,854	
Rate/Charge/Contracts							0	
Fed/State/Other Local	4,443,971	0	0	0	0	0	0	
Other							0	
TOTAL	7,333,691	56,854	50,000	50,000	50,000	0	206,854	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	A	.	.	.	.	.
Constr/Equip	C	C	C	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT: SOUTH PORTLAND CIRC STUDY
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

OBJECTIVES	
Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	
City-wide Ranking:	
Identification No:	TRP/749
Neighborh'd Needs No:	

System Ranking:	69
Public Facility Plan?	YES
Urban Services?	NO
Asset Mgmt Plan?	YES
Financial Analysis?	YES

PROJECT DESCRIPTION:

CIRCULATION IMPROVMENTS TO THE ROSS ISLAND BRIDGEHEAD AND THE SOUTH PORTLAND SUBAREA TO SEPARATE REGIONAL AND LOCAL TRAFFIC AS WELL AS REDUCCE THE INTRUSION OF REGIONAL TRAFFIC INTO THE SOUTH NEIGHBORHOODS

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	36,850	32,024	80,000	70,000			182,024	
Rate/Charge/Contracts							0	
Fed/State/Other Local	120,000	128,098	320,000	280,000	0	0	728,098	
Other							0	
TOTAL	156,850	160,122	400,000	350,000	0	0	910,122	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P						
Design/Proj Mgt			D					
Site Acquisition				A				
Constr/Equip				C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE 148TH: SANDY-MARINE DRIVE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	72
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /400
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES A NORTH/SOUTH ARTERIAL IN THE COLUMBIA SOUTH SHORE. THIS PROJECT WILL STIMULATE ECONOMIC DEVELOPMENT IN THE AREA. THIS IN TURN WILL HELP THE AIRPORT WAY URBAN RENEWAL DISTRICT REALIZE ITS POTENTIAL OF BECOMING A MAJOR EMPLOYMENT CENTER IN THE REGION. THIS ALSO INCLUDES METRIC CONVERSION.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	10,000	61,764	50,000				111,764	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	153,743						0	
TOTAL	163,743	61,764	50,000	0	0	0	111,764	0
TOTAL LEVERAGED	0		50,000				50,000	
COSTS								
Planning	P							
Design/Proj Mgt	D							
Site Acquisition	A							
Constr/Equip		C	C					
EST OPER/MAINT COSTS							0	

PROJECT: COLUMBIA/LOMBARD, RIVERGATE SOUTH

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	75
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /451
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL SEPARATE THE ROAD/RAILROAD CROSSING INTO THE PORT OF PORTLAND RIVERGATE INDUSTRIAL AREA. RAIL TRAFFIC CONTINUES TO GROW ALONG WITH TRUCK MOVEMENTS INTO THE PORT TERMINALS NO. 5 & 6. THIS PROJECT WILL ENCOURAGE THE CONTINUED GROWTH AT THE TERMINALS. INTERMODAL MOVEMENT OF GOODS WILL BE SAFER WITH ELIMINATION OF TRUCK/TRAIN CONFLICTS. PORT SUPPORTS PROJECT AND WILL CONTRIBUTE TO PROJECT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	25,806	77,320	50,000	100,000			227,320	
Rate/Charge/Contracts							0	
Fed/State/Other Local	25,806	77,320	150,000	2,250,000	250,000		2,727,320	
Other							0	
TOTAL	51,612	154,640	200,000	2,350,000	250,000	0	2,954,640	0
TOTAL LEVERAGED	0			2,250,000	250,000		2,500,000	2,475,000
COSTS								
Planning	P	P	P	P				
Design/Proj Mgt	D	D	D	D				
Site Acquisition			A	A	A			
Constr/Equip				C	C			
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NW 13TH, JOHNSON TO SAVIOR

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking:	76
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /703
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES 13TH AVE IN THE PEARL DISTRICT. CITY MONEY IS USED TO COMPLETE FINAL DESIGN AND GENERATE INTEREST OF PROPERTY OWNERS. PROPERTY OWNERS ARE THEN ENCOURAGED TO PROVIDE FUNDING FOR CONSTRUCTION. THE PROJECT HAS TWO PHASES. THE FIRST IS FROM JOHNSON TO LOVEJOY. THE SECOND IS LOVEJOY TO SAVIER.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	22,089	50,803					50,803	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0		385,000	760,000			1,145,000	
TOTAL	22,089	50,803	385,000	760,000	0	0	1,195,803	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	.	D	D	.	.	.		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: NW INTERSECTIONS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	79
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /404
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT CURB EXTENSIONS, PEDESTRIAN SIGNALS AND OTHER TRAFFIC CONTROLS IN THE AREA GENERALLY BOUNDED BY NW 18TH, BURNSIDE, 29TH, VAUGHN. THE PROJECT SUPPLEMENTS THE NW TRAFFIC CIRCULATION PROJECT AND FOLLOWS THE RECOMMENDATIONS IN THE NORTHWEST TRANSPORTATION STUDY CONDUCTED BY THE BUREAU OF PLANNING(1981).

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	52,425						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	146,338						0	
Other	28,558	21,297					21,297	
TOTAL	227,321	21,297	0	0	0	0	21,297	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	.	D	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **MLK SIGNAL**

Capital System: *Transportation*

Program: *Street Improvement Program*

Subprogram: *Major Traffic Streets*

OBJECTIVES

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking:	83
<i>Public Facility Plan?</i>	YES
<i>Asset Mgmt Plan?</i>	YES
<i>Urban Services?</i>	NO
<i>Financial Analysis?</i>	YES

City-wide Ranking:	
<i>Identification No:</i>	OCC/868
<i>Neighborh'd Needs No:</i>	

PROJECT DESCRIPTION:

COMPLETE CONSTRUCTION OF MLK/GRAND-CLACKAMAS SIGNALS

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	0	23,504					23,504	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>	240,000						0	
<i>Other</i>							0	
TOTAL	240,000	23,504	0	0	0	0	23,504	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P							
<i>Design/Proj Mgt</i>	D							
<i>Site Acquisition</i>								
<i>Constr/Equip</i>	C	C						
EST OPER/MAINT COSTS							0	

PROJECT: **NE 158TH: SANDY TO MARINE DR**

Capital System: *Transportation*

Program: *Street Improvement Program*

Subprogram: *Major Traffic Streets*

OBJECTIVES

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking:	84
<i>Public Facility Plan?</i>	YES
<i>Asset Mgmt Plan?</i>	YES
<i>Urban Services?</i>	NO
<i>Financial Analysis?</i>	YES

City-wide Ranking:	
<i>Identification No:</i>	AE /667
<i>Neighborh'd Needs No:</i>	

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES A NORTH/SOUTH ARTERIAL IN THE COLUMBIA SOUTH SHORE. THIS PROJECT WILL STIMULATE ECONOMIC DEVELOPMENT IN THE AREA. THIS IN TURN WILL HELP THE AIRPORT WAY URBAN RENEWAL DISTRICT REALIZE ITS POTENTIAL OF BECOMING A MAJOR EMPLOYMENT CENTER IN THE REGION.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	0		50,000	4,000,000			4,050,000	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>	0	126,441					126,441	
TOTAL	0	126,441	50,000	4,000,000	0	0	4,176,441	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P	P						
<i>Design/Proj Mgt</i>	D	D						
<i>Site Acquisition</i>	A	A	A	A				
<i>Constr/Equip</i>			C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE 138TH: SANDY-MARINE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 85
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: AE /457
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT UPGRADES A NORTH/SOUTH ARTERIAL IN THE COLUMBIA SOUTH SHORE. THIS PROJECT WILL STIMULATE ECONOMIC DEVELOPMENT IN THE AREA. THIS IN TURN WILL HELP THE AIRPORT WAY URBAN RENEWAL DISTRICT REALIZE ITS POTENTIAL OF BECOMING A MAJOR EMPLOYMENT CENTER IN THE REGION.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	30,452	50,000				80,452	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	30,452					30,452	
TOTAL	0	60,904	50,000	0	0	0	110,904	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	.	.	.	.
Design/Proj Mgt	D	D	D	.	.	.		
Site Acquisition	.	A	A	.	.	.		
Constr/Equip	.	.	C	.	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: LOWER ALBINA OVERCROSSING

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking: 91
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: AE /658
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCT A NEW OVERCROSSING OF UNION PACIFIC RAILROAD TRACKS FROM N ALBINA - N RIVERGATE TO N INTERSTATE AT N TILLAMOOK. THIS WILL REQUIRE RECONSTRUCTION OF N INTERSTATE AT NEW GRADE FOR 100 FEET EACH SIDE OF N TILLAMOOK.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	11,892	60,000				71,892	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	11,892	60,000	0	0	0	71,892	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	.	.	.		
Design/Proj Mgt		.	.	.	.	.
Site Acquisition		.	.	.	.	.
Constr/Equip		.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: WEST HAYDEN ISLAND

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	93
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /305
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PLANNING FOR A THREE-LANE BRIDGE WEST OF THE MARINE DRIVE/BURLINGTON RR CROSSING TO PROVIDE ACCESS TO WEST HAYDEN ISLAND MARINE TERMINAL FACILITIES. SUPPORTS THE PORT OF PORTLAND'S MARINE TERMINAL EXPANSION AND ENHANCES INTERMODAL CONNECTIONS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0					350,000	350,000	2,350,000
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	36,308	350,000	350,000	350,000	350,000	1,436,308	2,490,000
Other							0	
TOTAL	0	36,308	350,000	350,000	350,000	700,000	1,786,308	4,840,000
TOTAL LEVERAGED	0					21,000,000	21,000,000	21,000,000
COSTS								
Planning	P	P	P	P				
Design/Proj Mgt					D	D		
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: NE 148TH/SANDY RR CROSSING

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	95
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /901
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PUC-ORDERED GRADE CROSSING IMPROVEMENT OF UPRR AND NE 148TH. WIDEN ROADWAY, INSTALL GUARDRAILING AND NEW CROSSING GATES

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	36,592					36,592	
Other							0	
TOTAL	0	36,592	0	0	0	0	36,592	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **TERMINAL 2 RR CROSSING**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Major Traffic Streets*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	96
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /902
Neighborhood Needs No:	

PROJECT DESCRIPTION:

INSTALL CANTELEVER CROSSING ARMS AT ENTRANCE TTO TERMINAL 2 AT NW FRONT AVENUE

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	21,315					21,315	
Other							0	
TOTAL	0	21,315	0	0	0	0	21,315	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt	D							
Site Acquisition	A							
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: **SE 1ST AVE RAIL CORRIDOR**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Major Traffic Streets*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	97
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /903
Neighborhood Needs No:	

PROJECT DESCRIPTION:

RELOCATE CROSSING GATES AND UPGRADE CROSSINGS AAT 12 LOCATIONS ALONG SP RR AND SE 1ST AVE.
 RECONSTRUCT CURB, S/W RELOCATE INLETS, PAVE STREET TO IMPROVE APPROACH GRADIENT

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	82,572					82,572	
Other							0	
TOTAL	0	82,572	0	0	0	0	82,572	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: 15TH/16TH PHASE II

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 15
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: OCC/857
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROJECT IS THE SECOND HALF OF THE ORIGINAL 15TH/16TH, 16TH TWO-WAY PROJECT. THE FIRST PHASE BUILD THE DECOUPLE. THIS PHASE WOULD BUILD A TWO-WAY 16TH.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	145,555	60,374	0	0	0	0	60,374	
TOTAL	145,555	60,374	0	0	0	0	60,374	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	.	.	.	.
Design/Proj Mgt	D	D	.	.	.	.
Site Acquisition	A	.	.	.	.	.
Constr/Equip	C	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: RIVER DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Major Traffic Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 22
Urban Services? NO
Financial Analysis? YES

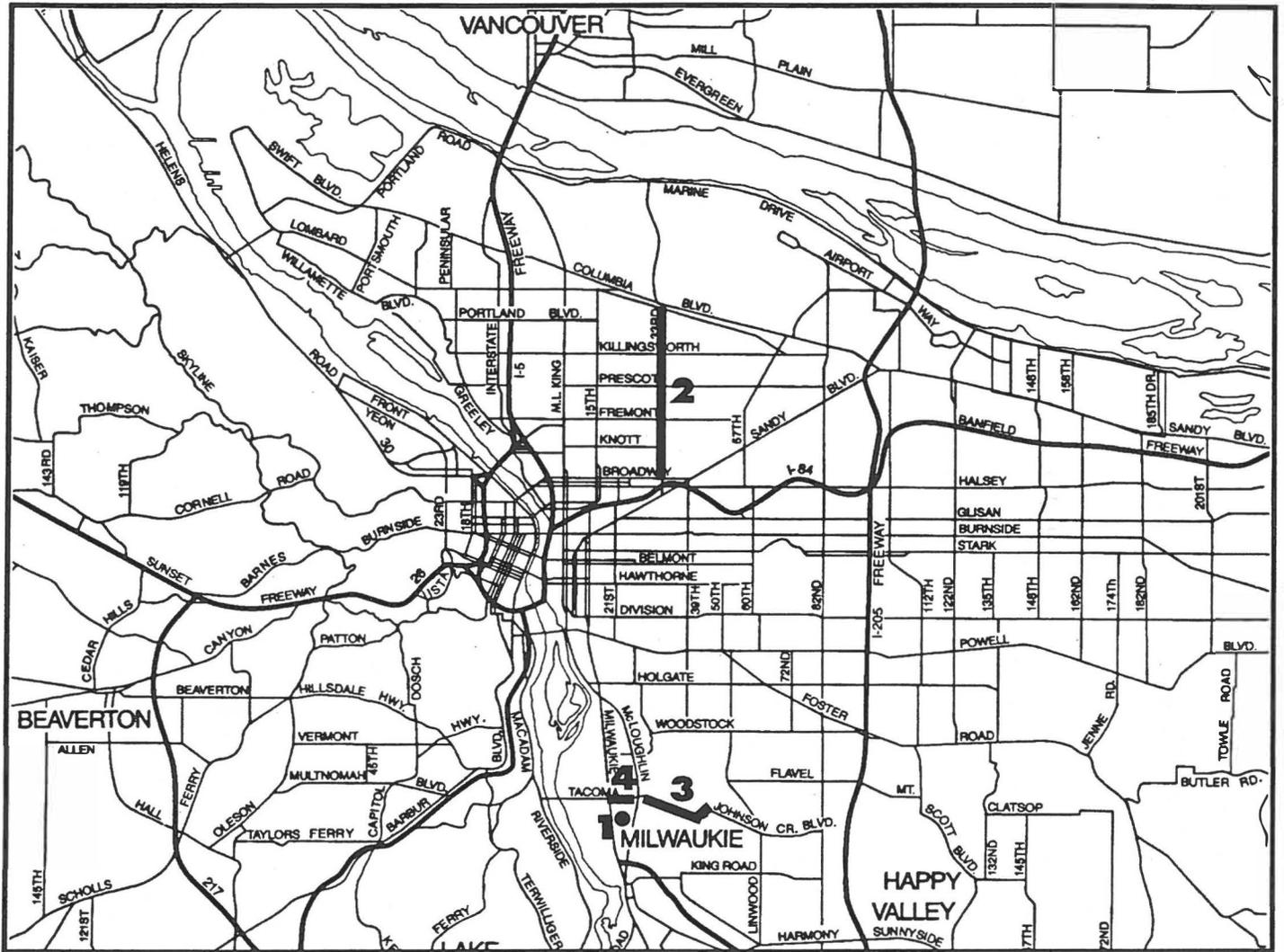
City-wide Ranking:
Identification No: CCT/504
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

MANAGE TRANSPORTATION ELEMENTS OF THE RIVER DISTRICT DEVELOPMENT PLAN. DESIGN AND CONSTRUCTION OF FRONT AVE, PED IMPROVEMENTS AND 3RD AVE XING. DESIGN AND CONSTRUCTION OF LOVEJOY RAMP. THE OVERALL GOAL IS TO DEVELOP AN IDENTIFIABLE COMMUNITY, COMPRISED OF DISTRICT NEIGHBORHOODS ORIENTED TO THE WILLAMETTE RIVER AND INTEGRATED WITH THE DOWNTOWN CORE AND NORTHWEST PORTLAND.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund	0		831,000				831,000	
Transportation	300,859	208,681	100,000	285,000	110,000	735,000	1,438,681	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	1,702,500	4,275,000	4,920,000	1,625,000	0	12,522,500	
Other	0						0	
TOTAL	300,859	1,911,181	5,206,000	5,205,000	1,735,000	735,000	14,792,181	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	P	P	P	P	P		
Design/Proj Mgt	.	D	.	.	.	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	C	C		
EST OPER/MAINT COSTS							0	



1. McLoughlin Neighborhood Traffic Circulation
2. NE 33rd Multi-modal Improvements
3. SE Johnson Creek/32nd to 45th
4. SE Tacoma/28th to 32nd

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: NE 33RD AVE. MULTI-MODAL IMPR.

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	17
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/333
Neighborhood Needs No:	

PROJECT DESCRIPTION:

This project responds to the need to improve the livability of NE 33rd Avenue between N.E. Broadway and N.E. Columbia Boulevard for area residents, schools and parks. The project will implement traffic calming improvements as defined in FY95.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	50,000	50,000		300,000			350,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	50,000	50,000	0	300,000	0	0	350,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P		P				
Design/Proj Mgt		D		D				
Site Acquisition								
Constr/Equip				C				
EST OPER/MAINT COSTS							0	

PROJECT: M CLOUGHLIN NEIGHBORHOODS PROJECT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	24
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	TRP/643
Neighborhood Needs No:	

PROJECT DESCRIPTION:

PROVIDE CONCEPTUAL DESIGN FOR THE M CLOUGHLIN NEIGHBORHOODS PROEJCT INCLUDING THE SITING AND CONCEPTUAL DESIGN OF TRAFFIC MANAGEMENT DEVICES AS AGREED TO BY CITY COUNCIL. AS A PART OF THE M CLOUGHLIN CORRIDOR PROJECT THE IMPROVMENTS WOULD REDIRECT REGIONAL TRAFFIC AROUND THE SELLWOOD MORELAND NEIGHBORHOODS RATHER THAN THROUGH THE CENTER OF THE NEIGHBORHOOD AREA.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	125,261		125,000	125,000	125,000	500,261	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	125,261	0	125,000	125,000	125,000	500,261	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt		D		D	D	D		
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE JOHNSON CREEK: 32ND-45TH

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	33
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /450
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL COMPLETE DESIGN & CONSTRUCTION OF SE JOHNSON CREEK BLVD BETWEEN SE 32ND AND 45TH AVES. THE EXACT SCOPE OF THIS PROJECT IS TO BE DETERMINED JOINTLY BY PORTLAND, MILWAUKIE, ARDENWALD NEIGHBORHOOD ASSOCIATION, AFFECTED PROPERTY OWNER. OBJECTIVE IS TO IMPROVE TRAFFIC & PEDESTRIAN SAFETY ON STREET WITHOUT INCREASING CAPACITY OR TRANSFERRING TRAFFIC TO OTHER STREETS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	135,208	79,307					79,307	
Rate/Charge/Contracts							0	
Fed/State/Other Local	172,150	79,307					79,307	
Other							0	
TOTAL	307,358	158,614	0	0	0	0	158,614	0
TOTAL LEVERAGED	0	471,138					471,138	
COSTS								
Planning	P							
Design/Proj Mgt	D							
Site Acquisition	A							
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	

PROJECT: SE TACOMA: 28TH - 32ND

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	88
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /458
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

WILL COMPLETE DESIGN & CONSTRUCTION OF SE TACOMA ST FROM RECENTLY COMPLETED TACOMA/MCLOUGHLIN INTERCHANGE TO 32ND AVE. IMPROVEMENTS INCLUDE TWO TRAVEL LANES, BIKE LANES, CURBS, SIDEWALK, STORM DRAINAGE, IMPROVED STREET LIGHTING & STREET TREES. PROJECT WILL TIE INTO ANOTHER PROJECT-SE JOHNSON CREEK 32-45TH, CURRENTLY IN FINAL DESIGN. IMPROVES TRAFFIC FLOW & ENHANCE PEDESTRIAN SAFETY.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	9,335	50,000				59,335	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	52,897					52,897	
TOTAL	0	62,232	50,000	0	0	0	112,232	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt		D	D					
Site Acquisition		A	A					
Constr/Equip			C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **NE 33RD AVE. MULTI-MODAL IMPR.**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Neighborhood Collectors*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: **17**
Urban Services? **NO**
Financial Analysis? **YES**

City-wide Ranking:
Identification No: **PAD/333**
Neighbor'd Needs No:

PROJECT DESCRIPTION:

This project responds to the need to improve the livability of NE 33rd Avenue between N.E. Broadway and N.E. Columbia Boulevard for area residents, schools and parks. The project will implement traffic calming improvements as defined in FY95.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>		300,000					300,000	
<i>Transportation</i>	50,000	50,000					50,000	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	50,000	350,000	0	0	0	0	350,000	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P						
<i>Design/Proj Mgt</i>		D						
<i>Site Acquisition</i>		.						
<i>Constr/Equip</i>		C						
EST OPER/MAINT COSTS							0	

PROJECT: **M CLOUGHLIN NEIGHBORHOODS PROJECT**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Neighborhood Collectors*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: **24**
Urban Services? **NO**
Financial Analysis? **YES**

City-wide Ranking:
Identification No: **TRP/643**
Neighbor'd Needs No:

PROJECT DESCRIPTION:

PROVIDE CONCEPTUAL DESIGN FOR THE MCLOUGHLIN NEIGHBORHOODS PROEJCT INCLUDING THE SITING AND CONCEPTUAL DESIGN OF TRAFFIC MANAGEMENT DEVICES AS AGREED TO BY CITY COUNCIL. AS A PART OF THE MCLOUGHLIN CORRIDOR PROJECT THE IMPROVMENTS WOULD REDIRECT REGIONAL TRAFFIC AROUND THE SELLWOOD MORELAND NEIGHBORHOODS RATHER THAN THROUGH THE CENTER OF THE NEIGHBORHOOD AREA.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>	0	125,261		125,000	125,000	125,000	500,261	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	0	125,261	0	125,000	125,000	125,000	500,261	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>								
<i>Design/Proj Mgt</i>		D		D	D	D		
<i>Site Acquisition</i>								
<i>Constr/Equip</i>								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE 17TH AND OCHOCO

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Neighborhood Collectors

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

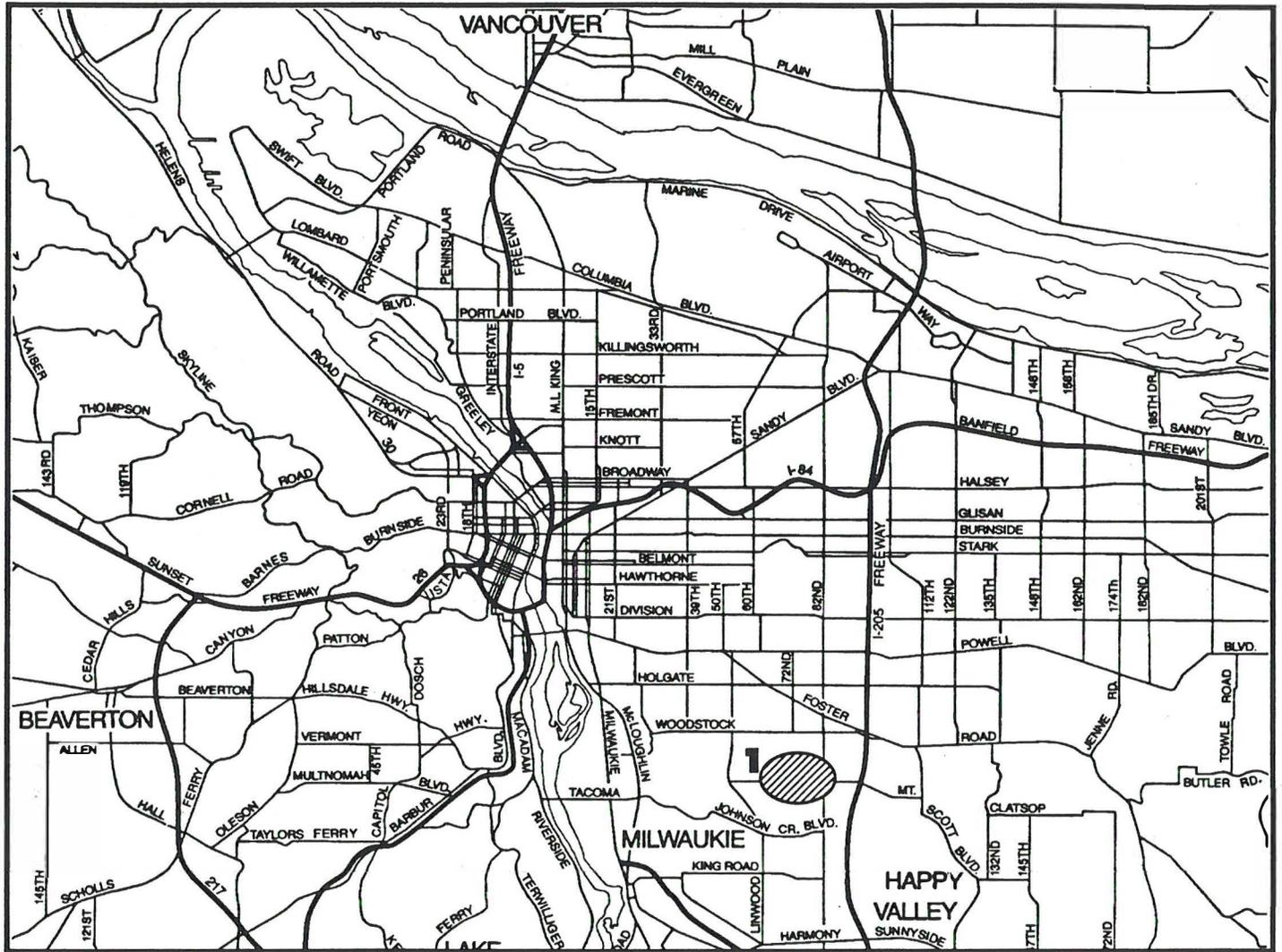
Public Facility Plan?	YES	System Ranking:	98
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	AE /904
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

REALIGN INTERSECTION AT SE 17TH AVE AND OCHOCO AND INSTALL NEW CROSSING GATES, PAVING, CURB, GUTTER, S/S AND DRAINAGE FOR 300 FEET.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	33,632					33,632	
Other							0	
TOTAL	0	33,632	0	0	0	0	33,632	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	A	A	.	.	.	.
Constr/Equip	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	



1. Affordable Neighborhood Enhancement
2. HCD Replacement Capital (City-wide - not mapped)
3. HCD Street Design (City-wide - not mapped)
4. LID Design/Construction (City-wide - not mapped)
5. Minor Street Permits (City-wide - not mapped)
6. Performance/Substandard Streets (City-wide - not mapped)
7. Subdivision Street Projects (City-wide - not mapped)

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: MINOR PERMIT STREETS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking: 40
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PER/460
Neighbor'h'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS CATEGORY COVERS ALL NON-RESIDENTIAL PROJECTS WITH CONSTRUCTION VALUES LESS THAN \$25,000. CATEGORY INCLUDES STREET CLOSURES, SIDESTRIPS, FRONTAGE IMPROVEMENTS, INLETS, SIDEWALKS, ETC.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	42,609	20,729	22,900	23,600	24,300	25,000	116,529	25,800
Rate/Charge/Contracts	100,660	50,751	46,600	48,000	49,500	51,000	245,851	52,500
Fed/State/Other Local							0	
Other							0	
TOTAL	143,269	71,480	69,500	71,600	73,800	76,000	362,380	78,300
TOTAL LEVERAGED	0	225,000	232,500	240,000	247,500	255,000	1,200,000	262,500
COSTS								
Planning	-	-	-	-	-	-		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	A	A	A	A	A	A		
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: LID STREET DESIGN

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 45
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/700
Neighbor'h'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROVIDES FOR DESIGN OF 8 LID PROJECTS IN 95-96. 6 PROJECTS MOVE TO CONSTRUCTION IN 96-97.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	139,000	85,500	89,800	94,300	99,000	104,000	472,600	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	305,189	224,724	222,600	233,700	245,400	257,600	1,184,024	
TOTAL	444,189	310,224	312,400	328,000	344,400	361,600	1,656,624	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: I&D SUBSIDY

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	46
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/702
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

BUDGETED INTERSECTION AND DRAINAGE SUBSIDY FOR LIDS UNDER CONSTRUCTION IN 95-96.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	60,000	60,000	60,000	60,000	60,000	300,000	60,000
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	60,000	60,000	60,000	60,000	60,000	300,000	60,000
TOTAL LEVERAGED							0	
COSTS								
Planning	-	P	P	P	P	P		
Design/Proj Mgt	-	D	D	D	D	D		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	-	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: SW PASADENA/37TH DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	47
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/721
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

COMPLETE CONSTRUCTION AND FINAL ASSESSMENT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	38,232					38,232	
TOTAL	0	38,232	0	0	0	0	38,232	0
TOTAL LEVERAGED							0	
COSTS								
Planning	-	-	-	-	-	-		
Design/Proj Mgt	-	-	-	-	-	-		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	-	C	-	-	-	-		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE VALENTINE
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	48
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/725
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

FINAL ASSESSMENT FOR PROJECT BEING CONSTRUCTED IN 94-95.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	1,834					1,834	
TOTAL	0	1,834	0	0	0	0	1,834	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT: SW 41ST
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	49
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/727
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

FINAL ASSESSMENT FOR PROJECT CONSTRUCTED IN 94-95.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	1,834					1,834	
TOTAL	0	1,834	0	0	0	0	1,834	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW PALATINE: BOONES FERRY WEST

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 50
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/728
 Neighborh'd Needs No:

Public Facility Plan? YES
 Asset Mgmt Plan? YES

PROJECT DESCRIPTION:
 COMPLETE CONSTRUCTION; FINAL ASSESSMENT

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	2,376					2,376	
TOTAL	0	2,376	0	0	0	0	2,376	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: SW 47TH/PALATINE DRIVE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 51
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/729
 Neighborh'd Needs No:

Public Facility Plan? YES
 Asset Mgmt Plan? YES

PROJECT DESCRIPTION:
 COMPLETE CONSTRUCTION AND FINAL ASSESSMENT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	11,445					11,445	
TOTAL	0	11,445	0	0	0	0	11,445	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE MASON DRIVE
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 52
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/734
 Neighborh'd Needs No:

PROJECT DESCRIPTION:
 COMPLETE CONSTRUCTION; FINAL ASSESSMENT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	11,131					11,131	
TOTAL	0	11,131	0	0	0	0	11,131	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.	.	.
Constr/Equip	.	C	.	.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: SW PALATINE: 43RD-45TH
Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

System Ranking: 53
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: LDE/735
 Neighborh'd Needs No:

PROJECT DESCRIPTION:
 COMPLETE CONSTRUCTION AND ASSESSMENT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	21,274					21,274	
TOTAL	0	21,274	0	0	0	0	21,274	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.	.	.
Constr/Equip	.	C	.	.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW DOLPH: 8TH-9TH

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

System Ranking: 54
 Urban Services? NO
 Financial Analysis? YES

Public Facility Plan? YES
 Asset Mgmt Plan? YES

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

City-wide Ranking:
 Identification No: LDE/736
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION AND ASSESSMENT

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	9,297					9,297	
TOTAL	0	9,297	0	0	0	0	9,297	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: SW VESTA/37TH DISTRICT

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

System Ranking: 55
 Urban Services? NO
 Financial Analysis? YES

Public Facility Plan? YES
 Asset Mgmt Plan? YES

OBJECTIVES

Maintain Capacity
 Upgrade Exist Facility X
 Add Capacity

City-wide Ranking:
 Identification No: LDE/737
 Neighbor'd Needs No:

PROJECT DESCRIPTION:

CONSTRUCTION AND ASSESSMENT

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	28,069					28,069	
TOTAL	0	28,069	0	0	0	0	28,069	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SW TEXAS/26TH DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	56
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/738
Neighborhood Needs No:	

PROJECT DESCRIPTION:
 CONSTRUCTION AND ASSESSMENT.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	43,685					43,685	
TOTAL	0	43,685	0	0	0	0	43,685	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: SE ANKENY: 97TH-99TH

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	57
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/7399
Neighborhood Needs No:	

PROJECT DESCRIPTION:
 CONSTRUCTION AND ASSESSMENT

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	10,739					10,739	
TOTAL	0	10,739	0	0	0	0	10,739	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: WATER AVENUE LID

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	58
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/740
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

MAJORITY OF PROJECT CONSTRUCTION IN 95-96, WITH COMPLETION AND FINAL ASSESSMENT IN 96-97.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	64,208	45,400				109,608	
TOTAL	0	64,208	45,400	0	0	0	109,608	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip		C	C					
EST OPER/MAINT COSTS							0	

PROJECT: HARNEY PARK HCD

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	62
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	LDE/026
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

CONSTRUCT PROJECT IN 95-96, WITH FINAL ASSESSMENT IN 96-97.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	200,260	3,000				203,260	
TOTAL	0	200,260	3,000	0	0	0	203,260	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip		C	C					
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE LAYFAYETT HCD

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 63
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/028
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

FINAL ASSESSMENT, PROJECT CONSTRUCTED IN 94-95.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	0	2,669					2,669	
TOTAL	0	2,669	0	0	0	0	2,669	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT: HCD REPLACEMENT CAPITAL

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 64
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/040
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THE PROJECT PROVIDES FOR PLANNING, DESIGN SURVEY, INSPECTION, CONSTRUCTION AND CONTRACT ADMINISTRATION OF STREET AND SIDEWALK IMPROVEMENTS IN PHYSICALLY DECLING, LOW-MODERATE INCOME NEIGHBORHOODS HAVING SUBSTANDARD STREETS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	19,038	20,462	20,000	22,000	24,000	26,000	112,462	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	19,038	20,462	20,000	22,000	24,000	26,000	112,462	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	.	.	.	.
Design/Proj Mgt	.	.	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: HCD STREET DESIGN

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 65
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/041
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

DESIGN 1 STREET IMPROVEMENT PROJECT IN FY 95-96. PROJECT SCHEDULED FOR CONSTRUCTION IN FY 96-97.

FUNDING SOURCES	<i>Prior Yrs</i>	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other	70,276	32,884	75,400	79,200	77,900	81,800	347,184	
TOTAL	70,276	32,884	75,400	79,200	77,900	81,800	347,184	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	.	D	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: PERFORMANCE SUBSTANDARD STREETS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Neighborhood Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 66
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: LDE/107
Neighborhood Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THIS PROGRAM PROVIDES THE MARKETING/COORDINATION AND OUTREACH FUNCTION FOR LID/HCD PROJECTS. IT ALSO IS RESPONSIBLE FOR THE ADMINISTRATION OF THE SUBSTANDARD STREETS PERMIT PROGRAM.

FUNDING SOURCES	<i>Prior Yrs</i>	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	180,708	179,878	189,000	198,500	208,400	218,900	994,678	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	180,708	179,878	189,000	198,500	208,400	218,900	994,678	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	.	D	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **SUBDIVISION STREET PROJECTS**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Local Neighborhood Streets*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: **68**
Urban Services? **NO**
Financial Analysis? **YES**

City-wide Ranking: **PER/442**
Identification No: **PER/442**
Neighborh'd Needs No:

PROJECT DESCRIPTION:

PROGRAM FOR 95/96 PROVIDES FOR PLAN REVIEW AND CONSTRUCTION OF 10 RESIDENTIAL SUBDIVISIONS. ALL DESIGNS ARE BY CONSULTING ENGINEERS. PROGRAM ALSO INCLUDES PROJECT DEVELOPMENT EFFORTS TO GET PROJECTS STARTED AS WELL AS SECTION TRAINING.

FUNDING SOURCES	<i>Prior Yrs</i>	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	68,478	35,898	33,600	34,600	35,700	36,800	176,598	37,900
<i>Rate/Charge/Contracts</i>	412,272	163,537	153,200	157,800	162,500	167,400	804,437	172,400
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	480,750	199,435	186,800	192,400	198,200	204,200	981,035	210,300
TOTAL LEVERAGED	0	1,633,500	1,683,000	1,733,600	1,785,300	1,839,200	8,674,600	1,894,400
COSTS								
<i>Planning</i>	P	P	P	P	P	P		
<i>Design/Proj Mgt</i>	D	D	D	D	D	D		
<i>Site Acquisition</i>		A	A	A	A	A		
<i>Constr/Equip</i>		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: **NEIGHBORHOOD ENHANCEMENT**

OBJECTIVES

Capital System: *Transportation*
Program: *Street Improvement Program*
Subprogram: *Local Neighborhood Streets*

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

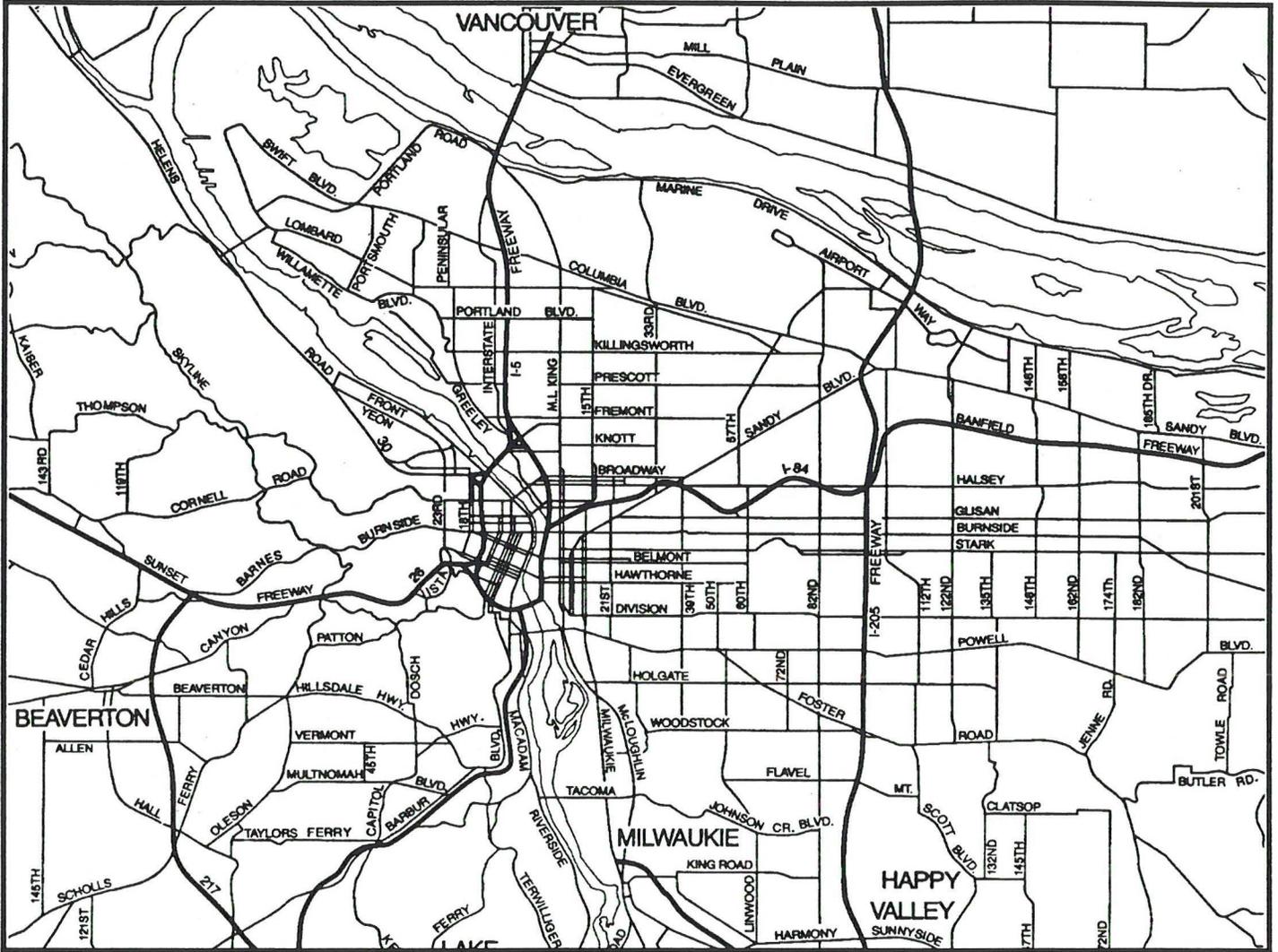
System Ranking: **86**
Urban Services? **NO**
Financial Analysis? **YES**

City-wide Ranking: **ANE/500**
Identification No: **ANE/500**
Neighborh'd Needs No:

PROJECT DESCRIPTION:

COMBINE THE CONSTRUCTION OF INFRASTRUCTURE AND ELEMENTS FOR HOUSING INTO ONE FINANCING PACKAGE FOR RESIDENTS. THE PROJECT WILL REDUCE THE COST OF INFRASTRUCTURE FOR LOW-INCOME RESIDENTS WHILE MAINTAINING THE QUALITY AND INTEGRITY OF INSTALLED INFRASTRUCTURE PRODUCTS.

FUNDING SOURCES	<i>Prior Yrs</i>	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	0	85,000	85,000	95,000	95,000	95,000	455,000	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>	0	339,700	339,700	355,000	355,000	355,000	1,744,400	
TOTAL	0	424,700	424,700	450,000	450,000	450,000	2,199,400	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P	P	P	P	P		
<i>Design/Proj Mgt</i>		D	D	D	D	D		
<i>Site Acquisition</i>								
<i>Constr/Equip</i>		C	C	C	C	C		
EST OPER/MAINT COSTS							0	



CITY-WIDE - NOT MAPPED

1. Commercial/Industrial Projects
2. Deficiency Corrections Program

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: COMM/INDUSTRIAL PROJECTS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Commercial-Industrial Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 61
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PER/452
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

FOR 95/96, THIS PROJECT CATEGORY PROVIDES FOR THE PLAN REVIEW AND CONSTRUCTION ENGINEERING ON 16 PROJECTS. TWO KNOWN CONSTRUCTION PROJECTS ARE PROGRAMMED AND 14 ANTICIPATED NEW PROJECTS ARE INCLUDED.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	123,492	48,451	62,500	64,400	66,300	68,300	309,951	70,300
Rate/Charge/Contracts	494,169	220,721	250,100	257,600	265,400	273,400	1,267,221	281,600
Fed/State/Other Local							0	
Other							0	
TOTAL	617,661	269,172	312,600	322,000	331,700	341,700	1,577,172	351,900
TOTAL LEVERAGED	0	2,441,600	2,508,800	2,576,000	2,654,400	2,734,400	12,915,200	2,816,400
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	A	A	A	A	A	A		
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: DEFICIENCY CORRECTIONS PROGRAM

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Local Commercial-Industrial Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 67
Urban Services? NO
Financial Analysis? YES

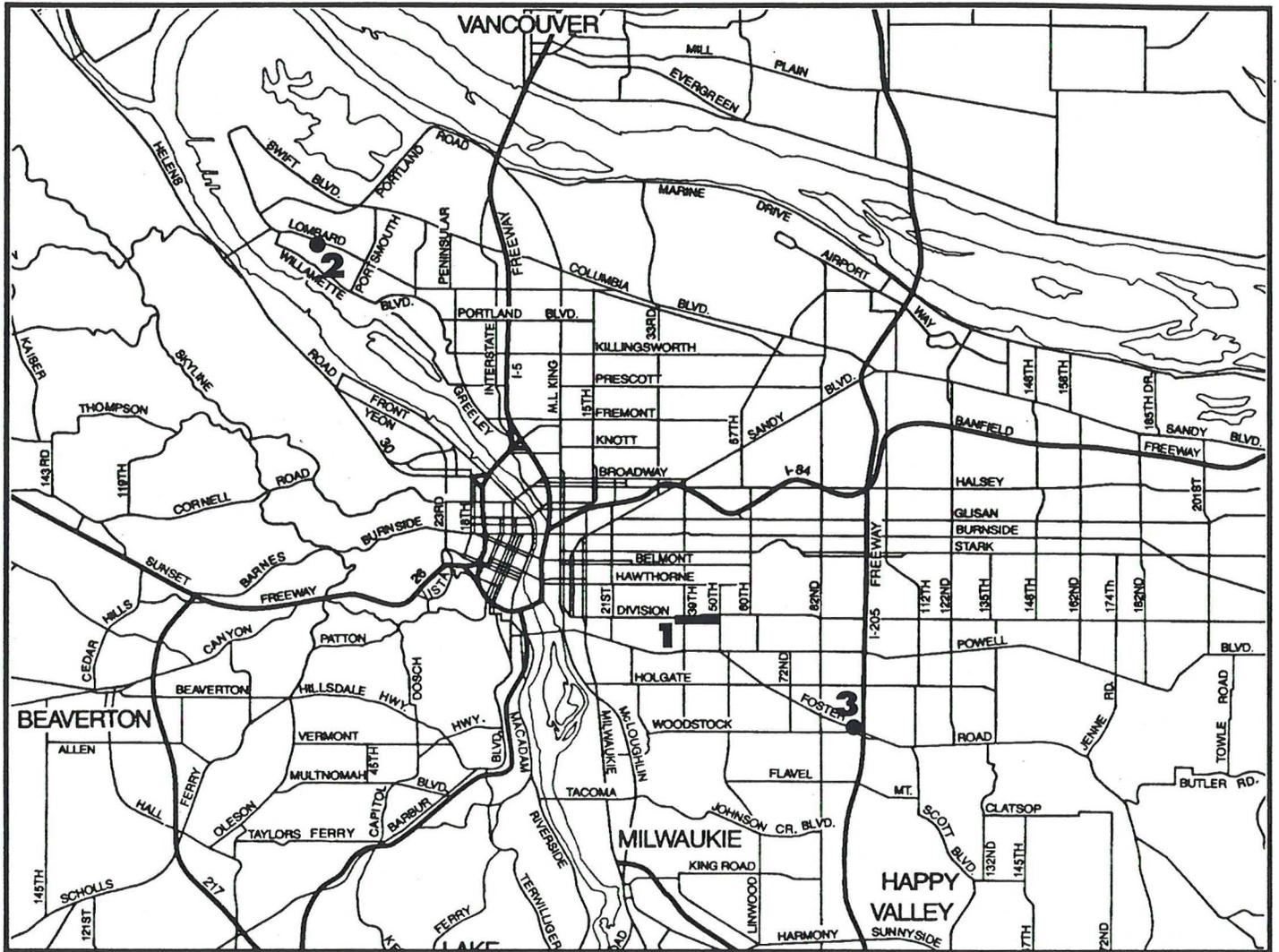
City-wide Ranking:
Identification No: PER/091
Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

PERMIT IMPROVEMENT PROJECTS ARE OFTEN MADE ADJACENT TO EXISTING STREETS THAT ARE IN VERY POOR CONDITION. THESE EXISTING, MAINTAINED STREETS FREQUENTLY NEED SPECIAL ATTENTION TO: INCREASE PAVEMENT STRENGTH, REMOVE EXISTING STRUCTURAL DEFECTS AND IMPROVE EXISTING DRAINAGE CHARACTERISTICS. THIS PROGRAM PROVIDES CAPITAL FUNDING FOR THESE IMPROVEMENTS THAT ARE BUILT IN CONJUNCTION WITH NEW PERMIT PROJECTS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	242,598	35,000	50,000	170,000	175,000	175,000	605,000	175,000
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	242,598	35,000	50,000	170,000	175,000	175,000	605,000	175,000
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition								
Constr/Equip		C	C	C	C	C		
EST OPER/MAINT COSTS							0	



1. Division Street/Livable Cities
2. HES Lombard/Fessenden Guardrail
3. Lents

PROGRAM LOCATION MAP For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: DIVISION STREET/LIVABLE CITY

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	14
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/334
Neighbor'd Needs No:	

PROJECT DESCRIPTION:

Implement multimodal improvements in the public ROW identified in the Livable City design demonstration project. Improvements include, curb extensions, sidewalk amenities, pedestrian crossing, etc.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	0	50,000		300,000			350,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	50,000	0	300,000	0	0	350,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.							
Design/Proj Mgt	.	D						
Site Acquisition	.							
Constr/Equip	.			C				
EST OPER/MAINT COSTS							0	

PROJECT: LENTS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	29
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/315
Neighbor'd Needs No:	

PROJECT DESCRIPTION:

Develop and implement and area-wide traffic management/traffic calming project for the Lents area.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	50,000	50,000		300,000			350,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	50,000	50,000	0	300,000	0	0	350,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt	D	D						
Site Acquisition	.							
Constr/Equip	.			C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: LOMBARD/FESSENDEN BRIDGERAIL

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	81
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SME/520
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

DESIGN AND INSTALLATION OF CURRENT CODE BRIDGE RAILING AT THE CURBLINE ON THE LOMBARD AND FESSENDEN CROSSINGS OF THE BNRR CUT. THE EXISTING RAILINGS AT THE BACK OF THE SIDEWALK ARE NOT ADEQUATE TO PREVENT VEHICLES FROM GOING THROUGH THE RAILING AND DROPPING TO THE TRACKS BELOW. THESE ARE HISTORIC BRIDGES, SO ALTERING THEIR APPEARANCE BY REMOVING THE EXISTING RAILINGS IS NOT AN OPTION.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	16,500					16,500	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	148,500					148,500	
Other							0	
TOTAL	0	165,000	0	0	0	0	165,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt	D							
Site Acquisition	S							
Constr/Equip	C							
EST OPER/MAINT COSTS							0	

PROJECT: COMBINED HES PROJECTS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	99
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/310
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PREVIOUS YEARS HES PROJECTS AT BUFFALO AND INTERSTATE AVENUE AND AT KILLINGSWORTH AND 60TH. THIS IS 90% FEDERAL FUNDING WITH 10% CITY MATCH. THE MATCH WAS CARRIED OVER IN PAD HES UNIT 2, IN THE AMOUNT OF \$33,200.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	33,200	6,500	0	0	0	0	6,500	
Rate/Charge/Contracts							0	
Fed/State/Other Local	29,880	17,374					17,374	
Other							0	
TOTAL	63,080	23,874	0	0	0	0	23,874	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition	S							
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: DIVISION STREET/LIVABLE CITY

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	14
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/334
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

Implement multimodal improvements in the public ROW identified in the Livable City design demonstration project. Improvements include, curb extenstions, sidewalk amenities, pedestrian crossing, etc.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	50,000		300,000			350,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	50,000	0	300,000	0	0	350,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	D	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: LENTS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	29
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PAD/315
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

Develop and implement and area-wide traffic management/traffic calming project for the Lents area.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund		300,000					300,000	
Transportation	50,000	50,000		500,000	500,000		1,050,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	50,000	350,000	0	500,000	500,000	0	1,350,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	D	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	.	C	C	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: HES SAFETY IMPROVEMENT SE & NE

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Safety

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

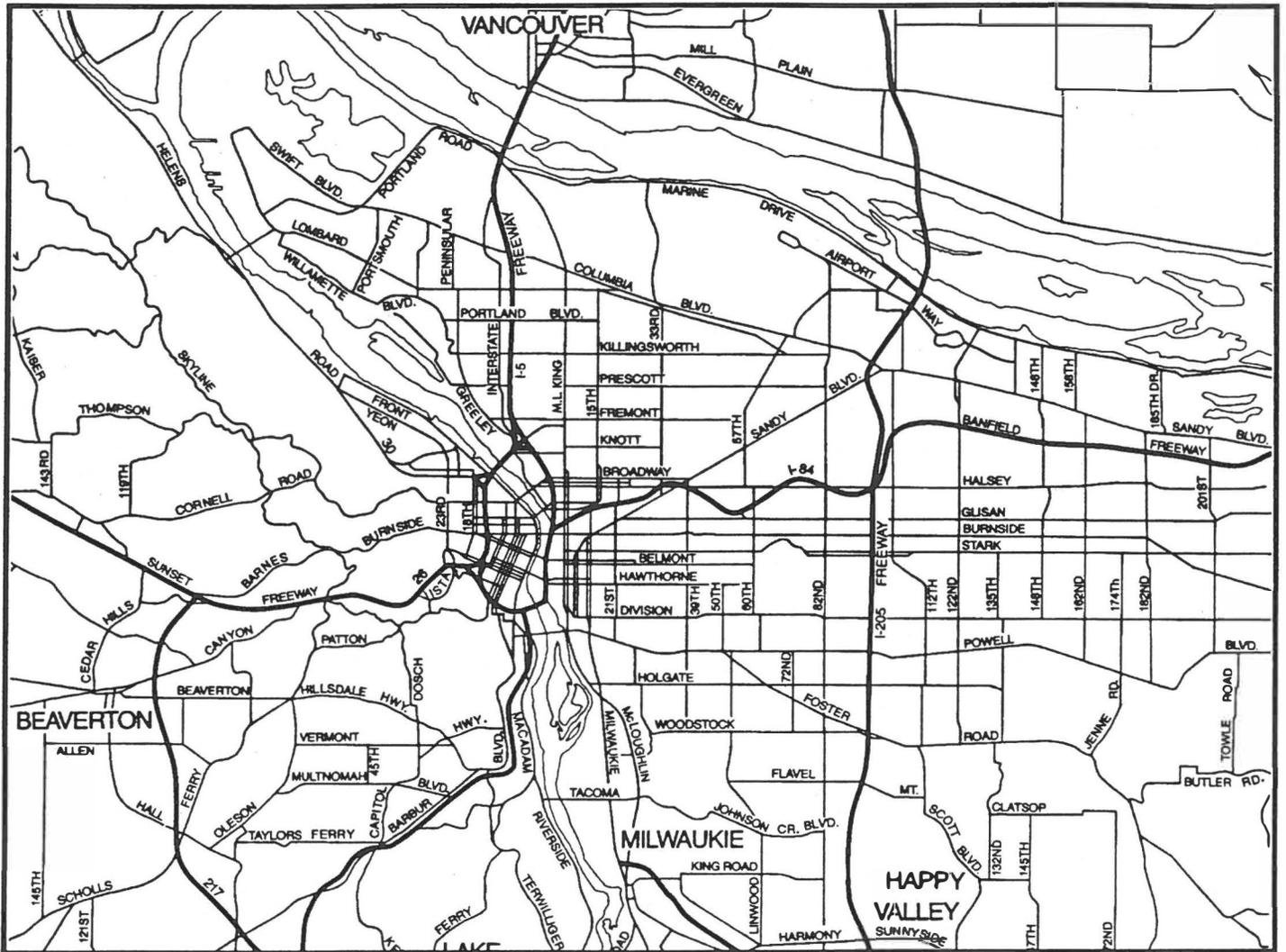
System Ranking:	100
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/311
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

Provide traffic signal improvements for safety at 6 locations in SE and NE.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	52,985					52,985	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	44,866					44,866	
Other							0	
TOTAL	0	97,851	0	0	0	0	97,851	0
TOTAL LEVERAGED	0	432,540	133,650				566,190	
COSTS								
Planning		P						
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C	C					
EST OPEB/MAINT COSTS							0	



CITY-WIDE - NOT MAPPED
1. School Beacons, Unit 2

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: SCHOOL BEACONS

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Traffic Signal System

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	27
Urban Services?	NO
Financial Analysis?	YES

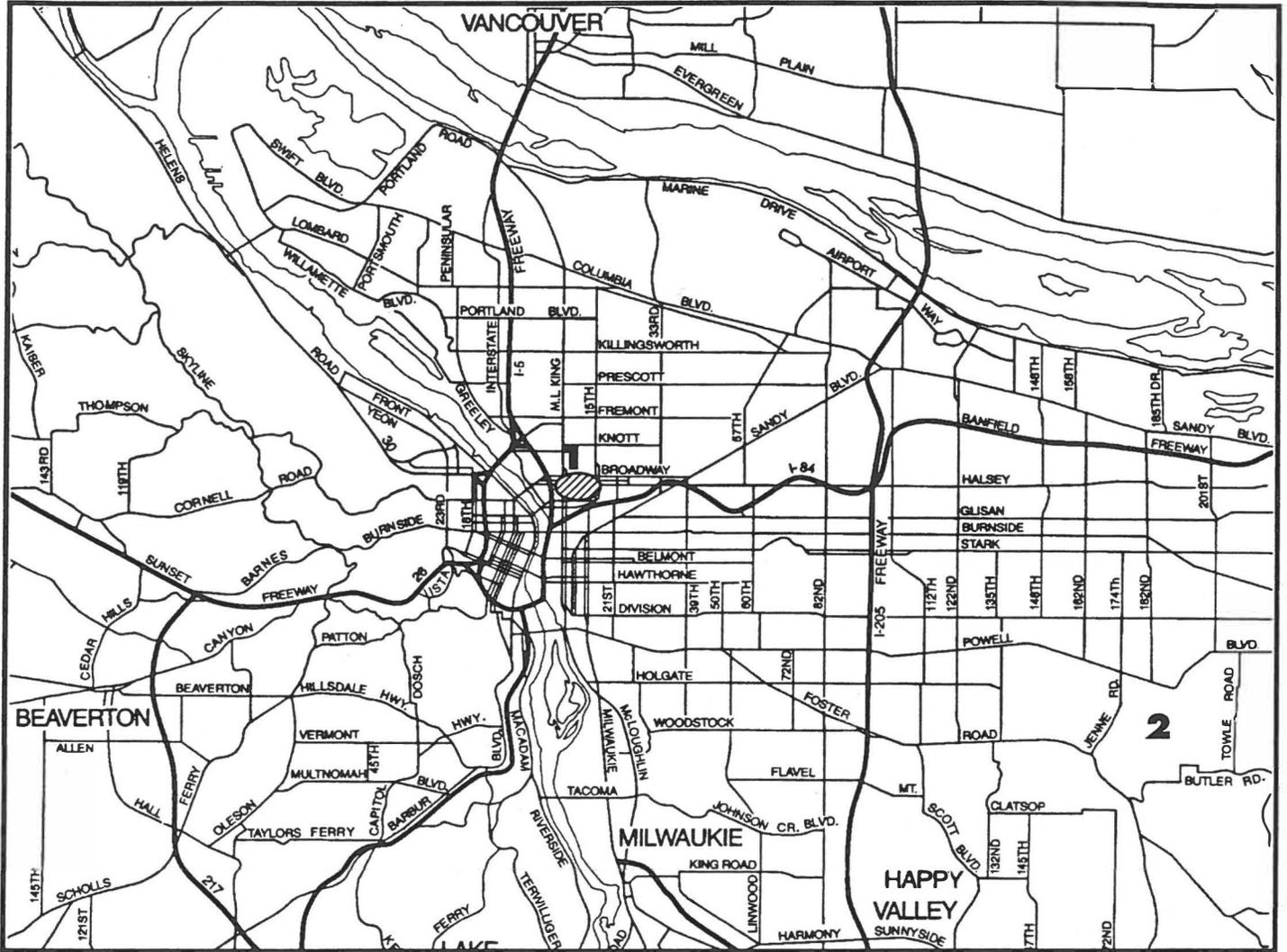
City-wide Ranking:	
Identification No:	SIG/064
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

Under this project, flashing yellow beacons will be added to school speed limit signs at 8-10 schools per year on or near busy streets. The beacons, which only operate for one-half hour before and after school, alert motorists to the 20mph school speed limit during these critical crossing times for school age children.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	50,000	50,000					50,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	50,000	50,000	0	0	0	0	50,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	.	.	.	.
Design/Proj Mgt	D	D	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	.	.	.	.
EST OPER/MAINT COSTS							0	



- 1. OCC/Lloyd District Lighting
- 2. Purchase Annexed Lights

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: OCC/LLOYD LIGHTING

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Street Lighting System

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:

20

Public Facility Plan?

YES

Urban Services?

NO

Asset Mgmt Plan?

YES

Financial Analysis?

YES

City-wide Ranking:

--

Identification No:

OCC/860

Neighborh'd Needs No:

--

PROJECT DESCRIPTION:

COMPLETE CONSTRUCTION OF MULTNOMAH STREET LIGHTING PROJECT INCLUDING NEW SIGNALS AT 7TH, 9TH, 11TH & MID BLOCK AT 8TH

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	24,599					24,599	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	24,599	0	0	0	0	24,599	0
TOTAL LEVERAGED	0	250,000					250,000	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip	C	C						
EST OPER/MAINT COSTS							0	

PROJECT: PURCHASE ANNEXED LIGHTS OPT A

OBJECTIVES

Capital System: Transportation
Program: Street Improvement Program
Subprogram: Street Lighting System

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:

80

Public Facility Plan?

YES

Urban Services?

NO

Asset Mgmt Plan?

YES

Financial Analysis?

YES

City-wide Ranking:

--

Identification No:

STL/460

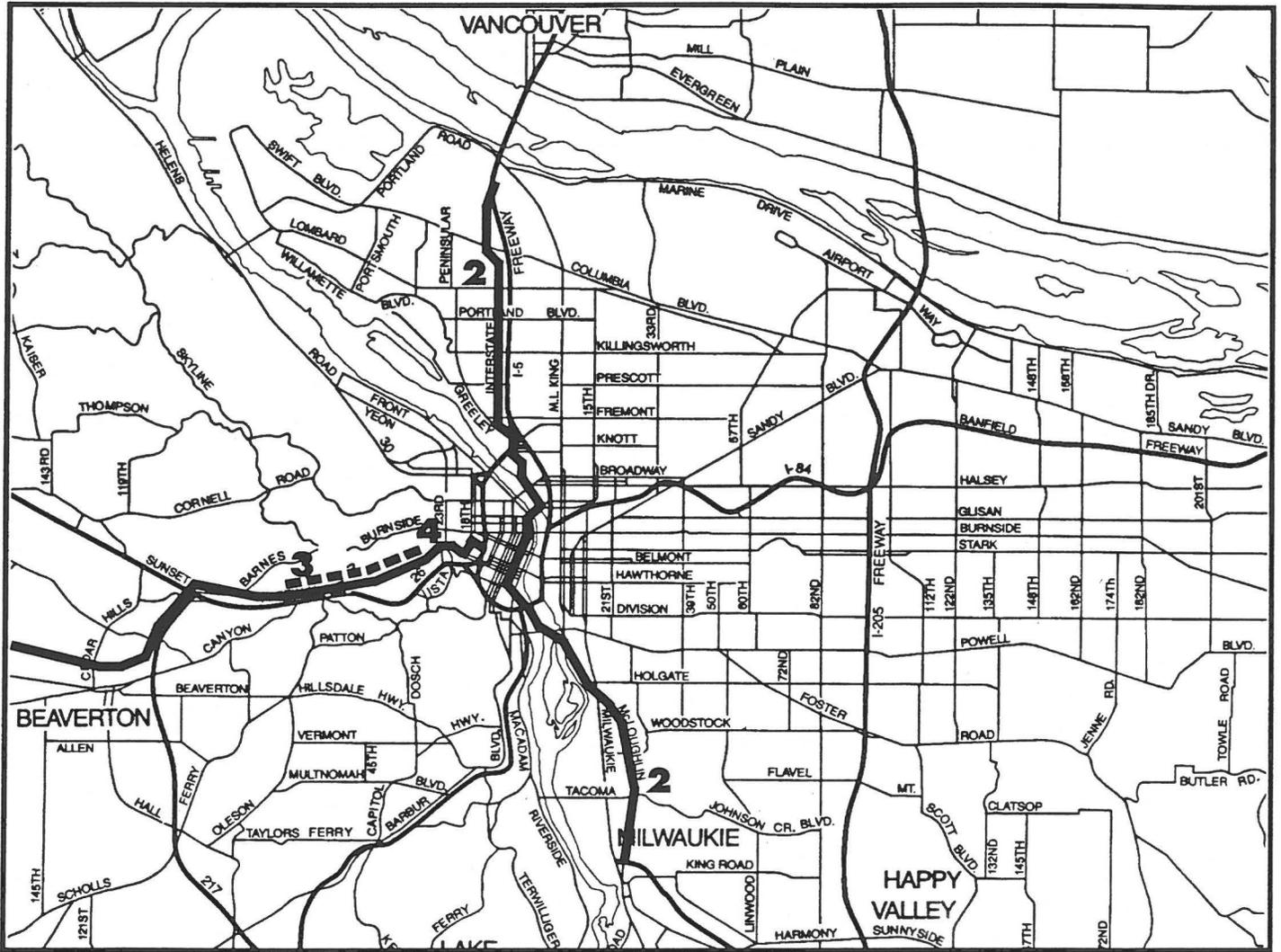
Neighborh'd Needs No:

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PROJECT DESCRIPTION:

PAST EXPERIENCE HAS SHOWN THAT IT IS COST EFFECTIVE FOR THE CITY RATHER THAN THE UTILITY TO OWN THE STREET LIGHTS. THE CITY OWNS NEARLY ALL THE LIGHTS WITHIN THE CITY. WE NEED TO PURCHASE LIGHTS IN AREAS AS THEY ARE ANNEXED TO THE CITY. THIS INVESTMENT HAS A PAYBACK OF ABOUT THREE YEARS. THIS PROGRAM DIMINISHES SINCE THE COUNTY HAS PURCHASED MOST OF ITS LIGHTS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund	20,000						0	
Transportation							0	
Rate/Charge/Contracts	0	20,000	10,000	10,000	10,000		50,000	
Fed/State/Other Local							0	
Other							0	
TOTAL	20,000	20,000	10,000	10,000	10,000	0	50,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P	P			
Design/Proj Mgt								
Site Acquisition		A	A	A	A			
Constr/Equip								
EST OPER/MAINT COSTS							0	



- 1. Regional Rail (not mapped)
- 2. South/North Transit Corridor Study (Exact alignment to be determined by public process.)
- 3. Westside Light Rail
- 4. Westside Tunnel

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: WESTSIDE LIGHT RAIL-LS4C

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 2
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No:
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS IS PART OF A COMBINED LIGHTRAIL AND HIGHWAY IMPROVEMENT PROJECT FOR THE WESTSIDE CORRIDOR CONNECTING THE EASTSIDE MAX LINE FROM DOWNTOWN PORTLAND TO DOWNTOWN HILLSBORO VIA BEAVERTON.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	4,216,486	1,000,000	1,000,000	1,000,000	1,000,000		4,000,000	
Rate/Charge/Contracts	1,173,617	602,380	134,500	61,600			798,480	
Fed/State/Other Local	585,427	75,000					75,000	
Other							0	
TOTAL	5,975,530	1,677,380	1,134,500	1,061,600	1,000,000	0	4,873,480	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	C	C	.	.		
EST OPER/MAINT COSTS							0	

PROJECT: WESTSIDE LIGHT RAIL-LS5 TUNNEL

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 3
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No:
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS IS PART OF A COMBINED LIGHTRAIL AND HIGHWAY IMPROVEMENT PROJECT FOR THE WESTSIDE CORRIDOR PROJECT. CONSTRUCTION OF THE TUNNEL SEGMENT BY JULY, 1996 IS CRITICAL TO THE SCHEDULING AND COMPLETION OF THE 21 REMAINING FOLLOW-ON CONTRACTS OF THE WSR PROJECT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation							0	
Rate/Charge/Contracts	113,989	10,482	41,500				51,982	
Fed/State/Other Local	0	21,938					21,938	
Other							0	
TOTAL	113,989	32,420	41,500	0	0	0	73,920	0
TOTAL LEVERAGED							0	
COSTS								
Planning	.	.	.	.	.	.
Design/Proj Mgt	.	.	.	.	.	.
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	C	.	.	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: REGIONAL RAIL PROGRAM

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Regional Transitways

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:	30
Urban Services?	NO
Financial Analysis?	YES

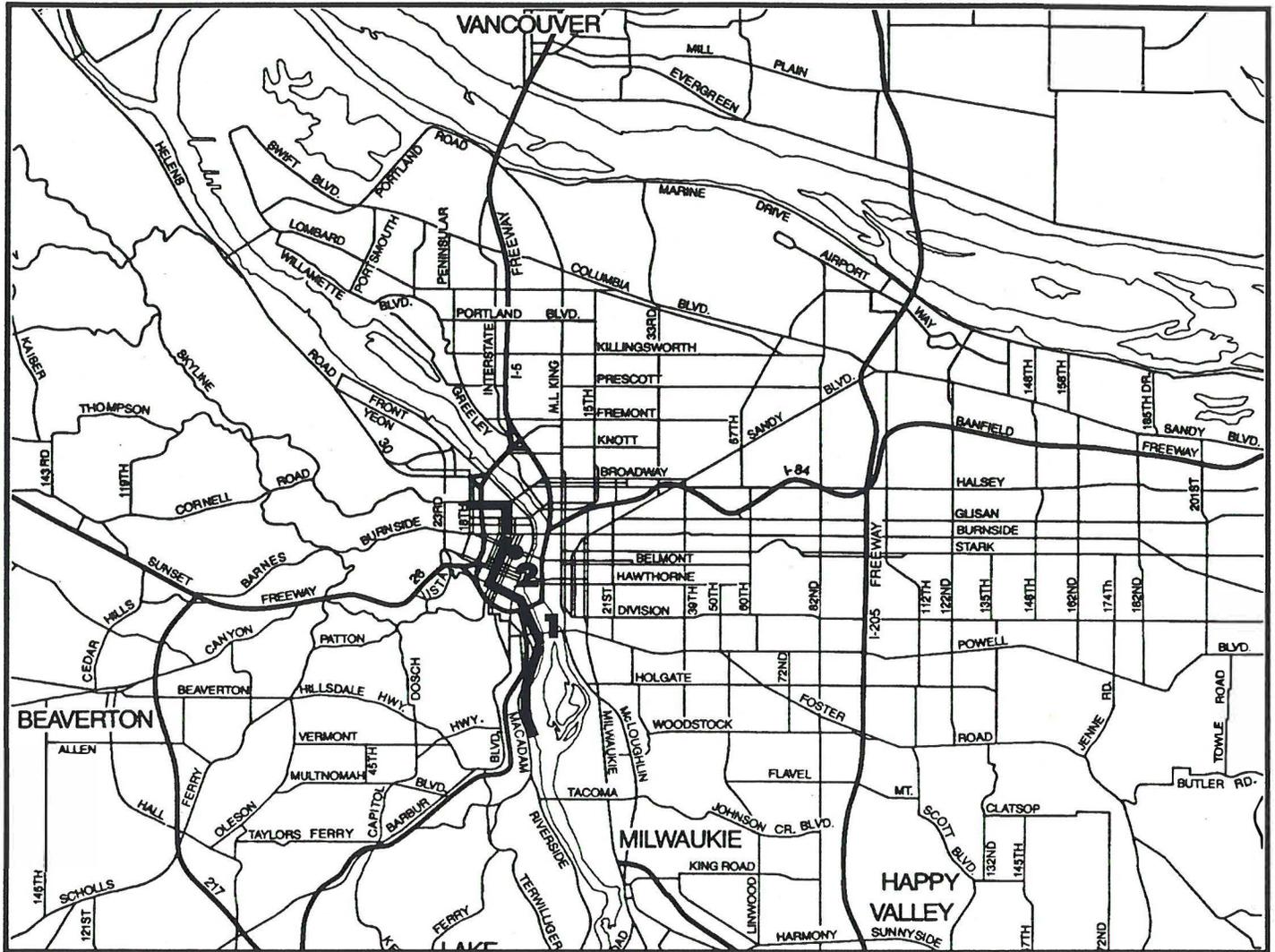
City-wide Ranking:	
Identification No:	TRP/333
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

PROJECT WILL EXAMINE THE FEASIBILITY OF BUILDING A LIGHT RAIL SYSTEM THROUGHOUT THE PORTLAND METRO AREA DURING THE NEXT 20 YEARS. ELEMENTS INCLUDE ASSISSTING METRO AND TRI-MET IN THE PREPARATION OF THE DEIS FOR THE SOUTH/NOUTH LIGHT RAIL LINE, THE MCLOUGHLIN CORRIDOR, I-205 CORRIDOR, BARBUR CORRIDOR, AND DOWNTOWN PROJECTS.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	783,726	624,205	385,136	385,136	385,136	385,136	2,164,749	
Rate/Charge/Contracts							0	
Fed/State/Other Local	113,500						0	
Other							0	
TOTAL	897,226	624,205	385,136	385,136	385,136	385,136	2,164,749	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt			D	D				
Site Acquisition					A	A		
Constr/Equip						C		
EST OPER/MAINT COSTS							0	



1. Central City Streetcar
2. Transit Mall Restoration
3. Transit Preferential Streets (not mapped)

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: TRANSIT MALL RESTORATION

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Major Transit Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:

6

 Public Facility Plan?

YES

 Urban Services?

NO

 Asset Mgmt Plan?

YES

 Financial Analysis?

YES

City-wide Ranking:

--

 Identification No:

OCC/851

 Neighborh'd Needs No:

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PROJECT DESCRIPTION:

FY 1995-06 IS FINAL DESIGN AND START OF CONSTRUCTION OF THE MALL RESTORATION. THE PRIMARY GOAL IS TO REDUCE PUBLIC REPAIR AND MAINTENANCE COSTS ASSOCIATED WITH THE URBAN DESIGN ELEMENTS IN THE TRANSIT MALL.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	677,683					677,683	
Rate/Charge/Contracts							0	
Fed/State/Other Local	475,074						0	
Other							0	
TOTAL	475,074	677,683	0	0	0	0	677,683	0
TOTAL LEVERAGED	0	500,000					500,000	
COSTS								
Planning	P							
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: CENTRAL CITY STREETCAR

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Major Transit Streets

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:

16

 Public Facility Plan?

YES

 Urban Services?

NO

 Asset Mgmt Plan?

YES

 Financial Analysis?

YES

City-wide Ranking:

--

 Identification No:

CCT/502

 Neighborh'd Needs No:

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PROJECT DESCRIPTION:

THE PRIMARY PROJECT GOAL IS TO ADDRESS CENTRAL CITY CIRCULATION - TO TRANSPORT THE PUBLIC WITHOUT ADVERSE IMPACTS ON TRAFFIC, TO SUPPORT THE GOALS FOR CLEAN AIR AND TO PROVIDE ADDITIONAL ACCESS IN SUPPORT OF ECONOMIC DEVELOPMENT IN THE CENTRAL CITY.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	1,004,848	700,000	226,000	1,626,000	1,000,000	0	3,552,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	70,410	700,000					700,000	
Other	0	0	13,150,000	13,150,000	0	0	26,300,000	
TOTAL	1,075,258	1,400,000	13,376,000	14,776,000	1,000,000	0	30,552,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P				
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip			C	C	C			
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: TRANSIT PREFERENTIAL STREETS

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Major Transit Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 37
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No.: TRP/460
Neighborh'd Needs No.:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

IMPLEMENT THE TRI-MET 10 MINUTE CORRIDOR CONCEPT BY CONSTRUCTING IMPROVEMENTS ON MAJOR CITY TRANSIT STREETS AND REGIONAL TRANSITWAYS TO PROVIDE PREFERENTIAL TRANSIT TREATMENTS AND IMPROVED ACCESS TO TRANSIT FOR PATRONS AND TO IMPROVE TRANSIT TRAVEL TIMES. THE IMPROVEMENTS RANGE FROM PEDESTRIAN IMPROVMENTS TO BUS LANES AND SIGNAL PRIORITY IMPROVMENTS.

Descriptive Text

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	25,192	19,939	30,000	30,000	50,000	50,000	179,939	200,000
Rate/Charge/Contracts							0	
Fed/State/Other Local	80,000	79,757	120,000	120,000	200,000	200,000	719,757	800,000
Other							0	
TOTAL	105,192	99,696	150,000	150,000	250,000	250,000	899,696	1,000,000
TOTAL LEVERAGED COSTS							0	
<i>Planning</i>		P						
<i>Design/Proj Mgt</i>		D	D					
<i>Site Acquisition</i>								
<i>Constr/Equip</i>		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: TRI-MET FAST LINK PROGRAM

OBJECTIVES

Capital System: Transportation
Program: Transit
Subprogram: Major Transit Streets

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 94
Urban Services? NO
Financial Analysis? YES

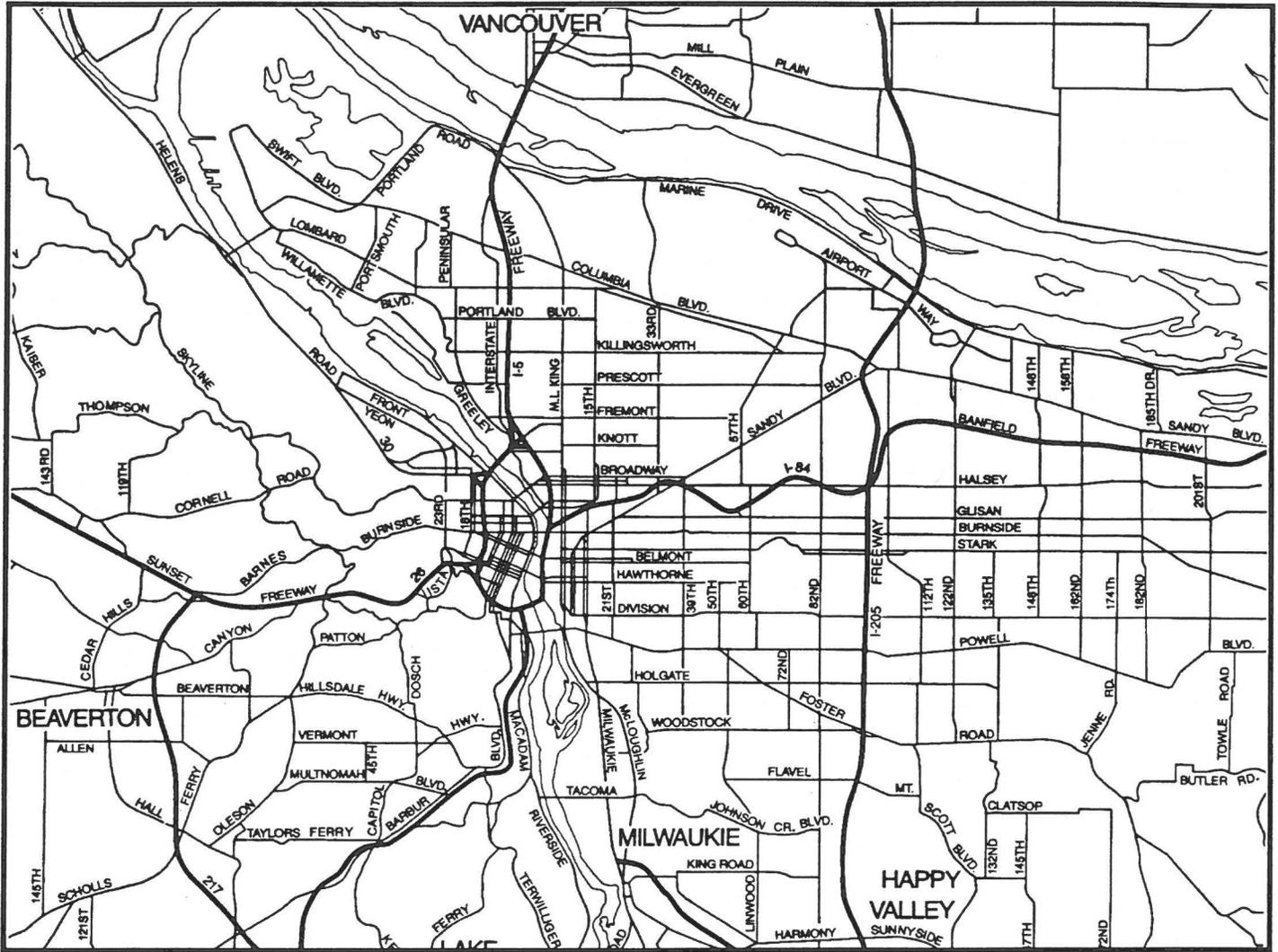
City-wide Ranking:
Identification No.: AE /504
Neighborh'd Needs No.:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

THE PROGRAM IS AN EXPANSION OF TRI-MET'S TRANSIT TRANSFER PROGRAM WHICH LOOKS AT ENTIRE CORRIDORS RATHER THAN SPECIFIC HOT SPOTS. MORE ATTENTION WILL BE GIVEN TO IMPROVING BUS FLOWS AND SPEED ALONG ENTIRE ROUTES.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0			100,000	100,000	100,000	300,000	100,000
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	4,626	234,000	567,000	567,000	567,000	1,939,626	567,000
Other							0	
TOTAL	0	4,626	234,000	667,000	667,000	667,000	2,239,626	667,000
TOTAL LEVERAGED COSTS							0	
<i>Planning</i>		P	P	P	P	P		
<i>Design/Proj Mgt</i>		D	D	D	D	D		
<i>Site Acquisition</i>			A	A	A	A		
<i>Constr/Equip</i>			C	C	C	C		
EST OPER/MAINT COSTS							0	



CITY-WIDE - NOT MAPPED

1. Expand City-wide Signal System, Phase IV
2. PDX Signal Retiming Project, Unit 5

PROJECT DETAIL

PROJECT: EXPAND CITYWIDE SIG SYSTEM

Capital System: Transportation
Program: Alternative Modes
Subprogram: Advance Transp Management Systems

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	19
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/068
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

This project is a multi-year phase of the Citywide Signal Improvement Program. Under this year's phase, additional arterials included in ODOT's ATMS plan will be added to the central system. Future phases are still required in order to complete the system.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	501,517	181,000	200,000	825,000	825,000	825,000	2,856,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	501,517	181,000	200,000	825,000	825,000	825,000	2,856,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: PORTLAND SIGNAL RETIMING PROJ

Capital System: Transportation
Program: Alternative Modes
Subprogram: Advance Transp Management Systems

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	77
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/073
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS IS A CONTINUATION OF A MULTI-PHASE PROGRAM TO RETIME TRAFFIC SIGNALS IN THE CITY. DURING EACH PHASE, APPROXIMATELY 100 LOCATIONS WILL BE RETIMED. THIS ACTIVITY GENERALLY HAS A 10 TO 1 OR GREATER BENEFIT TO COST RATIO. IMPROVED SIGNAL TIMING IMPROVES AIR QUALITY AND REDUCES ENERGY USAGE

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	67,781	37,521	68,000	69,000	70,000	71,000	315,521	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	30,000					30,000	
Other							0	
TOTAL	67,781	67,521	68,000	69,000	70,000	71,000	345,521	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	.	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: 82ND AVE SIGNAL OPS (CMAQ)

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Advance Transp Management Systems

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

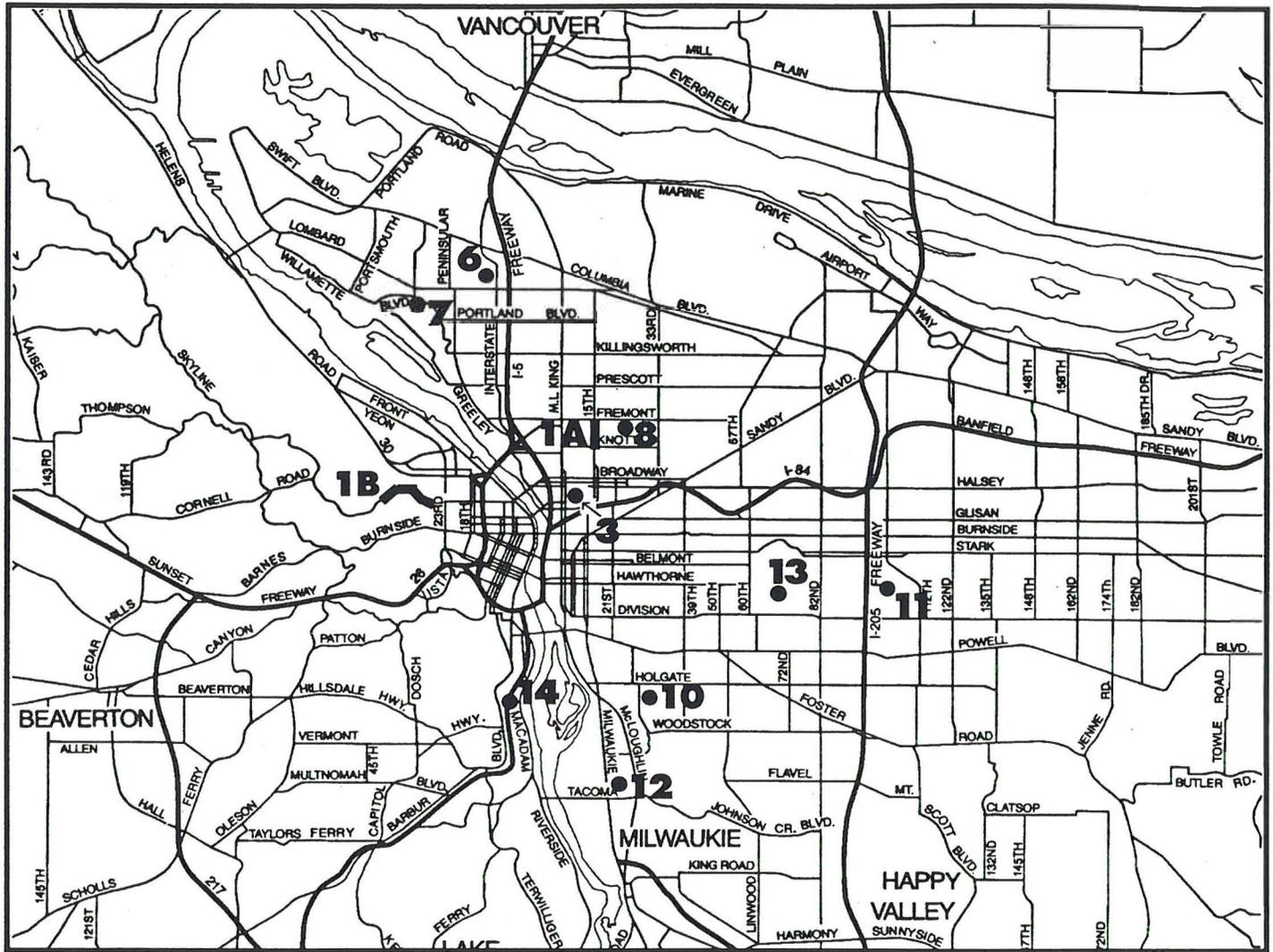
System Ranking:	101 1
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/274
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

A CMAQ application has been prepared for signal improvements on 82nd Avenue. The improvements include retiming and adding system detector loops.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	6,021					6,021	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	54,192					54,192	
Other							0	
TOTAL	0	60,213	0	0	0	0	60,213	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip		C						
EST OPER/MAINT COSTS							0	



1. ATCP Test Projects (NE 15th and NW Cornell - A & B)
2. ATCP #4 (not mapped)
3. Lloyd District TMA
4. Neighborhood Rideshare Co-op (City-wide - not mapped)
5. New Projects (City-wide - not mapped)
6. N. Denver
7. N. Willamette Blvd.
8. NE 21st/24th
9. School Safety Projects (City-wide - not mapped)
10. SE Gladstone
11. SE Market
12. SE 17th
13. SE 76th
14. SW Corbett
15. Speed Bump Program (City-wide - not mapped)

**PROGRAM LOCATION MAP
For Projects Funded in FY 95-96**

PROJECT DETAIL

PROJECT: SE GLADSTONE
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	12
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/024
Neighborhood Needs No:	

PROJECT DESCRIPTION:

CONSTRUCTION OF NTMP DEVICES ON SE GLADSTONE BETWEEN SE 26TH AND SE 39TH. PROJECTED DEVICES INCLUDE 5 SPEED BUMPS, 2 SLOW POINTS, 12 CURB EXTENSIONS AT 3 INTERSECTIONS AND BIKE LANES.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	48,672	172,000					172,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	48,672	172,000	0	0	0	0	172,000	0
TOTAL LEVERAGED COSTS							0	
Planning	P	P						
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: N DENVER
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	18
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/011
Neighborhood Needs No:	

PROJECT DESCRIPTION:

INSTALLATION OF 4 CURB EXTENSIONS EACH AT N. DENVER/KILPATRICK AND AT N. DENVER/MCCLELLAN. THESE EXTENSIONS ARE BEING INSTALLED TO REDUCE THE NUMBER OF VEHICULAR ACCIDENTS AND TO IMPROVE PEDESTRIAN AND BICYCLIST SAFETY; THE PROJECT WILL ALSO ENHANCE THE AREA'S BUSINESS DISTRICT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	50,000	50,000					50,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	50,000	50,000	0	0	0	0	50,000	0
TOTAL LEVERAGED COSTS							0	
Planning	P	P						
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE 76TH
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

System Ranking: 28
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity
City-wide Ranking:
 Identification No: NTM/022
 Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

CONSTRUCTION OF SPEED BUMPS ON SE 76TH BETWEEN SE WASHINGTON AND SE DIVISION. MAY INCLUDE OPTICOM ON SE 82ND AS MITIGATION MEASURE FOR FIRE RESPONSE IMPACTS

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	72,910	66,000					66,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	72,910	66,000	0	0	0	0	66,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: SE MARKET
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

System Ranking: 31
Urban Services? NO
Financial Analysis? YES

OBJECTIVES
 Maintain Capacity
 Upgrade Exist Facility
 Add Capacity
City-wide Ranking:
 Identification No: NTM/025
 Neighborh'd Needs No:

Public Facility Plan? YES
Asset Mgmt Plan? YES

PROJECT DESCRIPTION:

CONSTRUCTION OF TCP DEVICES ON SE MARKET BETWEEN SE 96TH AND SE 122ND. PROJECTED DEVICES INCLUDE 4 CURB EXTENSIONS AT 1 INTERSECTION, 4 CURB EXTENSIONS AT 2 INTERSECTION WITH ENTRANCE TREATMENTS, 2 MID-BLOCK CURB EXTENSIONS AND 13 SPEED BUMPS. CONSTRUCTION FUNDS ARE REQUESTED IN FY 97.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	45,670	65,500	151,500				217,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	45,670	65,500	151,500	0	0	0	217,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt		D	D					
Site Acquisition								
Constr/Equip			C					
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: *ATCP PROJECT #4*

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: 32
Public Facility Plan? YES *Urban Services?* NO
Asset Mgmt Plan? YES *Financial Analysis?* YES

City-wide Ranking:
Identification No.: NTM/100
Neighborh'd Needs No.:

PROJECT DESCRIPTION:

PLANNING FOR NEW TCP PROJECT (DESIGN FUNDS REQUESTED IN FY97 AND CONSTRUCTION IN FY98). NEW PROJECTS ARE UNDERTAKEN FROM A RANKED LIST OF RESIDENTIAL NEIGHBORHOOD COLLECTOR STREETS. PROJECTS ARE INTENDED TO ENHANCE LIVABILITY BY REDUCING THE NEGATIVE IMPACTS OF TRAFFIC. DATA COLLECTION FOR THE RANKED LIST IS STILL UNDERWAY, SO SPECIFIC LOCATIONS HAVE NOT YET BEEN SELECTED.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	0	27,000	48,500	42,000			117,500	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	0	27,000	48,500	42,000	0	0	117,500	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	.		P	P				
<i>Design/Proj Mgt</i>	.			D				
<i>Site Acquisition</i>	.							
<i>Constr/Equip</i>	.			C				
EST OPER/MAINT COSTS							0	

PROJECT: *N WILLAMETTE*

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: 34
Public Facility Plan? YES *Urban Services?* NO
Asset Mgmt Plan? YES *Financial Analysis?* YES

City-wide Ranking:
Identification No.: NTM/012
Neighborh'd Needs No.:

PROJECT DESCRIPTION:

PLANNING AND DESIGN FOR ATCP PROJECT ON N WILLAMETTE BETWEEN N PORTLAND AND N ST LOUIS AND WOOLSEY BETWEEN WILLAMETTE AND LOMBARD. POTENTIAL DEVICES INCLUDE 4 SLOW POINTS, 8 CURB EXTENSIONS AT 2 INTERSECTIONS AND 43 SPEED BUMPS. CONSTRUCTION FUNDS ARE REQUESTED IN FY 97. PROJECT INCLUDES 2 COLLECTOR SEGMENTS AND 2 LOCAL SEGMENTS AND INCLUDES ATCP#1 AND #3 PROJECTS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	33,065	61,000	376,000				437,000	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	33,065	61,000	376,000	0	0	0	437,000	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P	P	P					
<i>Design/Proj Mgt</i>	.		D					
<i>Site Acquisition</i>	.							
<i>Constr/Equip</i>	.		C					
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **STREAMLINED BUMP PROJECTS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: **35**
Public Facility Plan? YES *Urban Services?* NO
Asset Mgmt Plan? YES *Financial Analysis?* YES

City-wide Ranking:
Identification No: **NTM/207**
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT CONSTRUCTS SPEED BUMPS ON LOCAL SERVICE STREETS WHICH MEET CERTAIN CRITERIA RELATED TO TRAFFIC SPEEDS AND VOLUMES. THEY ARE INTENDED TO ENHANCE NEIGHBORHOOD LIVABILITY. PROJECTS ARE SELECTED FROM A RANKED LIST WHICH INCLUDES ALL GEOGRAPHIC AREAS OF THE CITY. FIVE TO TEN INDIVIDUAL PROJECTS ARE BUDGETED FOR COMPLETION EACH YEAR.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	170,836	150,000	150,000	150,000	150,000	150,000	750,000	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	170,836	150,000	150,000	150,000	150,000	150,000	750,000	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P	P	P	P	P		
<i>Design/Proj Mgt</i>		.	.	.	.	.
<i>Site Acquisition</i>		.	.	.	.	.
<i>Constr/Equip</i>		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: **ATCP TEST PROJECTS**

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Traffic Management*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

System Ranking: **36**
Public Facility Plan? YES *Urban Services?* NO
Asset Mgmt Plan? YES *Financial Analysis?* YES

City-wide Ranking:
Identification No: **NTM/628**
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THE ARTERIAL TRAFFIC CALMING PROGRAM BEGAN DEVELOPMENT IN FY92 AND USED TWO STREETS (N.W. CORNELL AND N.E. 15TH) TO TEST POTENTIAL TRAFFIC CALMING DEVICES COMPATIBLE WITH COLLECTOR STREETS. THIS PROJECT WILL PROVIDE CONSTRUCTION OF THREE SLOW POINTS ON N.E. 15TH BETWEEN FREMONT AND PRESCOTT, WHICH IS AN EXTENSION OF THE ORIGINAL TEST AREA ON N.E. 15TH.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	58,174	84,400					84,400	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	58,174	84,400	0	0	0	0	84,400	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P	.	.	.	.	.
<i>Design/Proj Mgt</i>	D	D	.	.	.	.
<i>Site Acquisition</i>	.	.	.	.	.	.
<i>Constr/Equip</i>	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE 17TH
Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES	System Ranking:	38
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/020
Neighbor'd Needs No:	

PROJECT DESCRIPTION:

PLANNING FOR TCP PROJECT ON SE 17TH BETWEEN SE MCLOUGHLIN AND SE MILWAUKIE. POTENTIAL DEVICES INCLUDE 1 SEMI-DIVERTER, 16 CURB EXTENSIONS AT 4 INTERSECTIONS AND 12 SPEED BUMPS. CONSTRUCTION FUNDS REQUESTED IN FY 97.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	21,074	80,000	195,000				275,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	21,074	80,000	195,000	0	0	0	275,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt		D	D					
Site Acquisition								
Constr/Equip			C					
EST OPER/MAINT COSTS							0	

PROJECT: SW CORBETT (SOUTH)

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

OBJECTIVES

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan?	YES	System Ranking:	39
Asset Mgmt Plan?	YES	Urban Services?	NO
		Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/206
Neighbor'd Needs No:	

PROJECT DESCRIPTION:

THIS IS PHASE TWO OF A TWO PHASE TCP PROJECT ON SW CORBETT/NEBRASKA/VIRGINIA. A PORTION OF FUNDS NEEDED FOR THIS PROJECT IN FY 95 WILL COME FROM FY 94 CARRYOVER. CONSTRUCTION FUNDS ARE REQUESTED IN FY 96. DEVICES MAY INCLUDE 12 CURB EXTENSIONS AT 3 INTERSECTIONS, 12 SPEED BUMPS AND A POSSIBLE SEMI-DIVERTER.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	81,355	209,500	6,500				216,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	81,355	209,500	6,500	0	0	0	216,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt		D	D					
Site Acquisition								
Constr/Equip			C					
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NEW TCP PROJECTS

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	43
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/110
Neighbor'h'd Needs No:	

PROJECT DESCRIPTION:

TRAFFIC CALMING PROJECTS ARE UNDERTAKEN ON RESIDENTIAL STREETS WITH COMPLEX, NEGATIVE TRAFFIC IMPACTS. SOLUTIONS MAY INCLUDE SPEED BUMPS, CURB EXTENSIONS, MEDIAN ISLANDS AND/OR DIVERTERS. NEW PROJECTS ARE SELECTED FROM A RANKED LIST WHICH INCLUDES ALL GEOGRAPHIC AREAS OF THE CITY. THREE TO SIX NEW PROJECTS ARE SELECTED FOR PROJECT INITIATION EACH YEAR.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	49,500	150,000	951,500	1,000,000	1,000,000	3,151,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	49,500	150,000	951,500	1,000,000	1,000,000	3,151,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning			P	P	P	P		
Design/Proj Mgt				D	D	D		
Site Acquisition								
Constr/Equip				C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: LLOYD TRANSPORTATION MGMT. ASSN.

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	74
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PKM/903
Neighbor'h'd Needs No:	

PROJECT DESCRIPTION:

PROJECT STARTED JUNE, 1994 WITH FOCUS ON PROGRAM ASSESSMENT. FY96 REQUEST IS FOR CMAQ FEDERAL FUNDS TO COMPLETE THE PROJECT. FY 96 PROJECT WORK WILL INCLUDE IMPLEMENTING TRANSPORTATION DEMAND MEASURES, TRANSITIONING TO A SELF-SUPPORTING ORGANIZATION.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	27,795						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	107,913	116,399					116,399	
Other							0	
TOTAL	135,708	116,399	0	0	0	0	116,399	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition								
Constr/Equip								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NEIGHBORHOOD RIDESHARE

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking: 78
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: PKM/904
Neighborh'd Needs No:

PROJECT DESCRIPTION:

CMAQ FUNDS FOR THIS PROJECT ARE BEING REQUESTED TO FINISH IMPLEMENTATION IN FY96. PROJECT WORK INCLUDES DEVELOPING RIDESHARE PROGRAMS WITHIN TARGETED NEIGHBORHOODS TO REDUCE AUTO USE AND EMISSION

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	8,000						0	
Rate/Charge/Contracts							0	
Fed/State/Other Local	32,000	39,000					39,000	
Other							0	
TOTAL	40,000	39,000	0	0	0	0	39,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip	.	.						
EST OPER/MAINT COSTS							0	

PROJECT: NE 21ST/24TH

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 82
Public Facility Plan? YES
Asset Mgmt Plan? YES
Urban Services? NO
Financial Analysis? YES

City-wide Ranking:
Identification No: NTM/2 12
Neighborh'd Needs No:

PROJECT DESCRIPTION:

FUNDING FOR THIS PROJECT FOR FY 95 WILL COME FROM CARRYOVER OF FY 94 FUNDS. ADDITIONAL FUNDS ARE BEING REQUESTED FOR FY 96 TO COMPLETE CONSTRUCTION. POTENTIAL DEVICES MAY INCLUDE 8 CURB EXTENSIONS AND 8 SPEED BUMPS ON NE 21ST AND NE 24TH BETWEEN NE KNOTT AND NE FREMONT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	148,753	6,500					6,500	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	148,753	6,500	0	0	0	0	6,500	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P						
Design/Proj Mgt	D	D						
Site Acquisition	.	.						
Constr/Equip	.	C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SCHOOL SAFETY PROJECTS

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Traffic Management

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

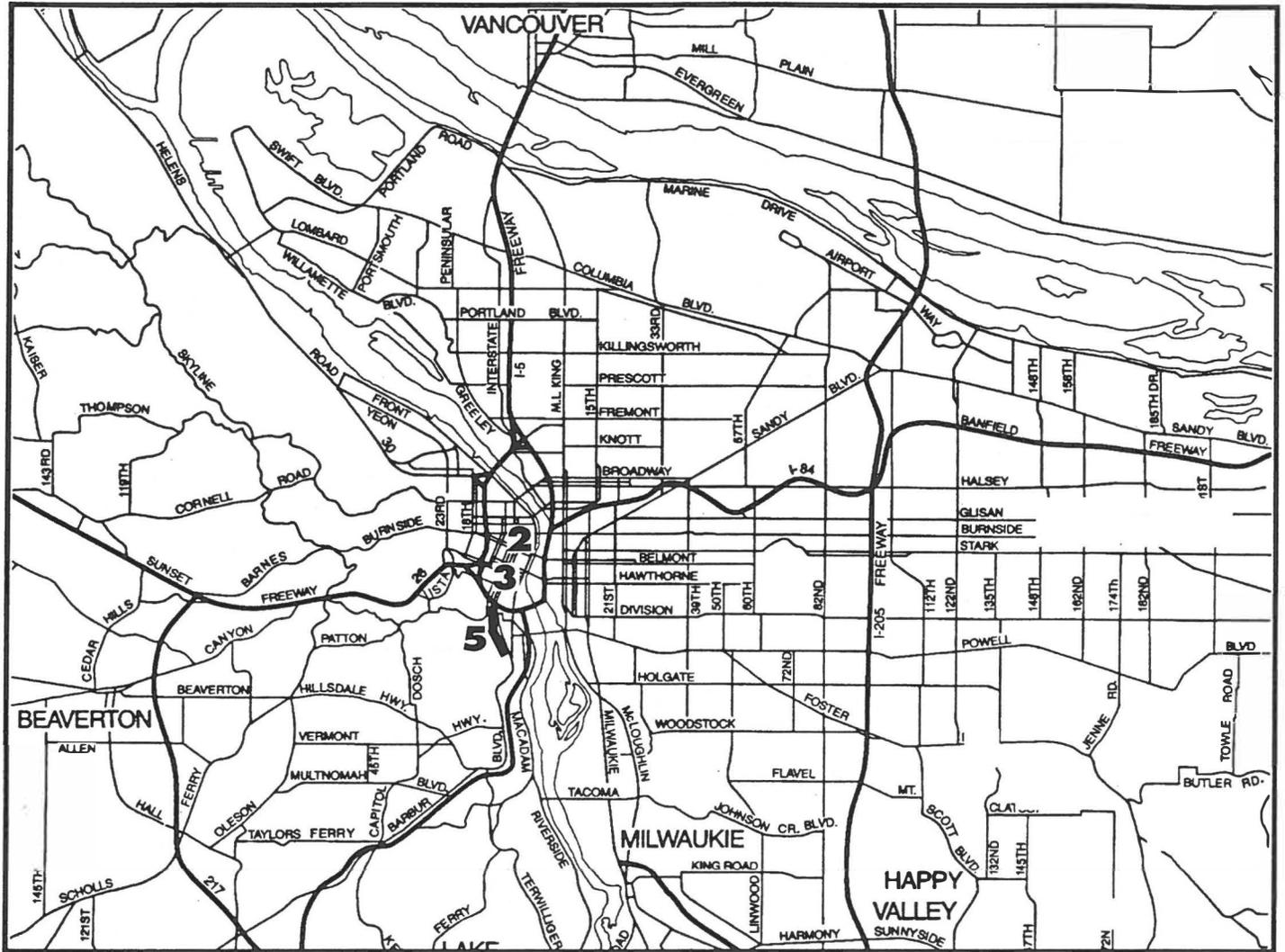
System Ranking:	90
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	NTM/017
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THESE PROJECTS ARE AIMED AT PEDESTRIAN IMPROVEMENTS AND TRAFFIC CALMING EFFORTS IN THE VICINITY OF ELEMENTARY SCHOOLS. PROJECTS WILL BE AT 1 SITE W/COMPLEX & 4 SITES W/BASIC PROBLEMS. PROJECTS MAY USE SPEED BUMPS, CURB EXTENSIONS, MEDIAN ISLANDS, SIGNALS AND OTHERS. NEW REQUEST FOR ONGOING FUNDS FOR NEW PROGRAM BEGUN IN FY 95. FUNDS FROM SCHOOL SIGNALS ARE INCLUDED IN THIS REQUEST.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	362,200	394,500	425,500	425,500	425,500	425,500	2,096,500	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	362,200	394,500	425,500	425,500	425,500	425,500	2,096,500	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition								
Constr/Equip		C	C	C	C	C		
EST OPER/MAINT COSTS							0	



1. Arterial Bike Lane Retrofit (City-wide - not mapped)
2. Bike Central Parking
3. Central City Bike Lanes
4. SE Bikeway Sign and Improvement (not mapped)
5. SW 4th/Barbur Bicycle Lanes

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: SW 4TH/BARBUR BICYCLE LANES

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	7
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	ATP/218
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL PROVIDE CRUCIAL DOWNTOWN CONNECTION FROM PLANNED BARBUR BICYCLE LANES (WHICH WILL END AT HAMILTON). ADDITIONAL FUNDING IS REQUESTED FROM ODOT FOR BICYCLE CONNECTION OVER FRONT AVE. STRUCTURE.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	10,232	70,000					70,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	10,232	70,000	0	0	0	0	70,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: CENTRAL CITY BIKE LANES

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

System Ranking:	9
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	ATP/217
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

BIKE LANES: LOVEJOY AND 10TH AVE. RAMPS, BROADWAY BR; EAST VIADUCT, HAWTHORNE BR; EAST END, BURNSIDE BR; SE 7TH; NE LLOYD; SE HAWTHORNE TO 12TH; BIKE BOULEVARD IN NW INDUS DISTRICT; NW 18TH/19TH; SW BROADWAY DOWNTOWN.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	100,000	100,000	100,000				200,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	90,000	90,000					90,000	
Other							0	
TOTAL	190,000	190,000	100,000	0	0	0	290,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt	D							
Site Acquisition								
Constr/Equip	C	C	C					
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: BIKE CENTRAL PARKING PROJECT

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking: 21
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: ATP/290
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

PROJECT WILL PLAN AND PROVIDE CENTRALIZED BICYCLE FACILITY FOR PARKING, STORAGE, SHOWER, BIKE REPAIR, EDUCATION, INFORMATION. CIP REQUEST IS FOR LOCAL MATCH FOR \$80,000 '96 CMAQ GRANT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	22,417	20,000					20,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local	80,000	80,000					80,000	
Other							0	
TOTAL	102,417	100,000	0	0	0	0	100,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT: SE BIKEWAY SIGN AND IMPROVEMENTS

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking: 25
 Public Facility Plan? YES
 Asset Mgmt Plan? YES
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: ATP/209
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

THIS PROJECT WILL RETROFIT APPROXIMATELY 30 STREET MILES WITH BIKE LANES AND/OR BIKE BOULEVARDS TO SERVE LAND-USE DESTINATIONS SUCH AS SHOPPING, ENTERTAINMENT, SCHOOLS, PARKS AND EMPLOYMENT. SPECIFICALLY, THIS WILL ADD BIKEWAYS TO CONNECT WITH EXISTING BIKEWAYS (S.E. LINCOLN AND S.E. 26TH) AND MAKE NORTH-SOUTH TRAVEL MUCH SAFER AND ATTRACTIVE FOR CYCLING.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	409	250,000					250,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	409	250,000	0	0	0	0	250,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt		D						
Site Acquisition								
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: ARTERIAL BIKE LANE RETROFIT

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	89 9
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	ATP/311
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

This project will implement bike lanes on an arterial street as a demonstration project of the viability of bike lanes on arterials. The preferred project location is NE Broadway/Weidler, which has been determined to be feasible for bike lane installation.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	143,500	143,500	0	0	0	0	143,500	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	143,500	143,500	0	0	0	0	143,500	0
TOTAL LEVERAGED							0	
COSTS								
Planning	-	-	-	-	-	-		
Design/Proj Mgt	-	D	-	-	-	-		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	-	C	-	-	-	-		
EST OPER/MAINT COSTS							0	

PROJECT: SW MULTNOMAH BIKEWAY

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Bicycle Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	1022
Urban Services?	NO
Financial Analysis?	YES

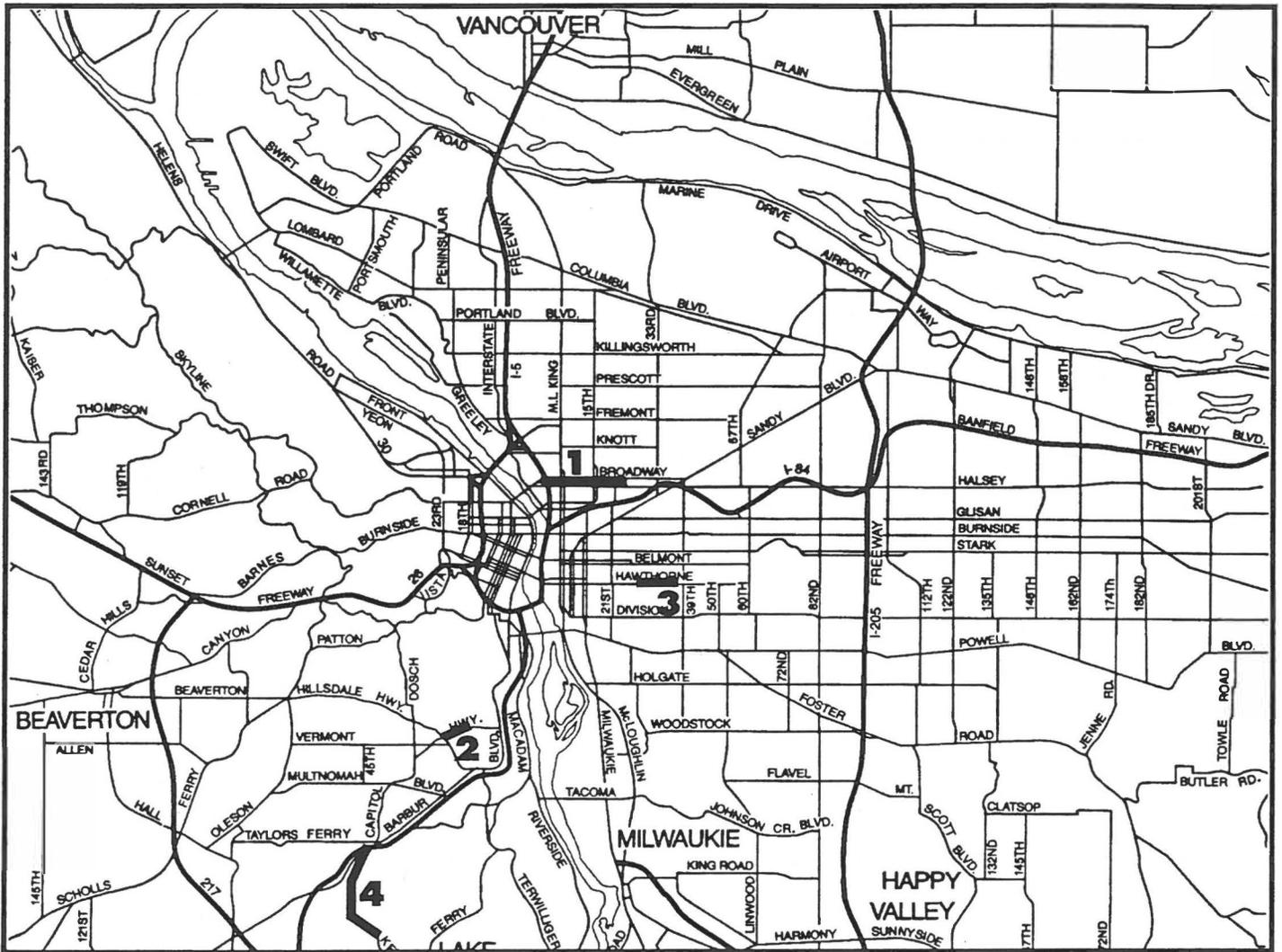
City-wide Ranking:	
Identification No:	ATP/201 1
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSTRUCT A BIKEWAY ON SW MULTNOMAH BLVD. FROM SW 71ST TO SW BARBUR BLVD. THE SHOULDER WILL BE WIDENED AND BICYCLE LANES WILL BE STRIPED. THIS PROJECT PROVIDES A KEY CONNECTION FOR SW BICYCLE COMMUTERS TO THE BIKE LANES PLANNED FOR BARBUR BLVD.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	204,580	12,920	0	0	0	0	12,920	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	25,000					25,000	
Other							0	
TOTAL	204,580	37,920	0	0	0	0	37,920	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	-	-	-	-	-		
Design/Proj Mgt	D	-	-	-	-	-		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	C	C	-	-	-	-		
EST OPER/MAINT COSTS							0	



1. Broadway/Weidler
2. Hillsdale Pedestrian District
3. SE Hawthorne Blvd./32nd to 39th
4. SW Capitol Hwy/49th to Barbur Blvd.
5. Transit Access Phase III (City-wide - not mapped)

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: PEDESTRIAN ACCESS TO TRANSIT 3&4

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:	5
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/902
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

PROJECT WILL DESIGN AND CONSTRUCT PEDESTRIAN IMPROVEMENTS TO ENHANCE PED ACCESS TO TRANSIT FACILITIES. A 90% MATCH FOR THIS PROJECT IS PROVIDED BY AN ISTE/CMAQ GRANT. PROJECT PLANNING WAS FUNDED IN FY 93/94.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	106,821					106,821	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0		500,000	500,000			1,000,000	
Other							0	
TOTAL	0	106,821	500,000	500,000	0	0	1,106,821	0
TOTAL LEVERAGED COSTS							0	
Planning	P							
Design/Proj Mgt		D	D	D				
Site Acquisition			A	A				
Constr/Equip			C	C				
EST OPER/MAINT COSTS							0	

PROJECT: HILLSDALE PEDESTRIAN DISTRICT

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	10
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/120
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

THIS PROJECT WILL CONSIST OF PROJECT DEVELOPMENT, PRELIMINARY ENGINEERING AND CONSTRUCTION OF SIDEWALKS, PEDESTRIAN CROSSING IMPROVEMENTS AND ACCESS CONTROL ON SW CAPITOL HWY. WITHIN THE HILLSDALE PEDESTRIAN DISTRICT. THE PROJECT IS SUPPORTED BY HILLSDALE VISION AND THE SWNI TRANSPORTATION COMMITTEE. IT WILL IMPROVE PEDESTRIAN TO AND WITHIN THE SHOPPING AND COMMERCIAL DISTRICT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	63,314	20,242	125,000	500,000			645,242	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	63,314	20,242	125,000	500,000	0	0	645,242	0
TOTAL LEVERAGED COSTS							0	
Planning	P							
Design/Proj Mgt		D	D					
Site Acquisition			A					
Constr/Equip			C	C				
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SE HAWTHORNE BLVD:32ND TO 39TH

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	11
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/117
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

CONDUCT PROJECT DEVELOPMENT, ENGINEERING AND CONSTRUCTION TO DEVELOP PED IMPROVEMENTS, AND SAFE PED CROSSINGS ON SE HAWTHORNE FROM 32ND TO 39TH. THE PROJECT WOULD ENHANCE PED SAFETY IN THIS DISTRICT.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	0	68,942	50,000	75,000	450,000		643,942	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	0	68,942	50,000	75,000	450,000	0	643,942	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P						
Design/Proj Mgt			D	D				
Site Acquisition				A				
Constr/Equip					C			
EST OPER/MAINT COSTS							0	

PROJECT: SW CAP HWY/49TH TO BARBUR

OBJECTIVES

Capital System: Transportation
Program: Alternative Modes
Subprogram: Pedestrian Program

Maintain Capacity	
Upgrade Exist Facility	
Add Capacity	X

System Ranking:	13
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	PED/111
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

CONSTRUCTION OF SIDEWALKS BOTH SIDES OF CAPITAL HWY. BARBUR TO PCC

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	131,266	450,000					450,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	131,266	450,000	0	0	0	0	450,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning								
Design/Proj Mgt								
Site Acquisition		A						
Constr/Equip		C						
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: *BROADWAY/WEIDLER PEDESTRIAN STUDY*

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Pedestrian Program*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

<i>Public Facility Plan?</i>	YES	System Ranking:	87
<i>Asset Mgmt Plan?</i>	YES	<i>Urban Services?</i>	NO
		<i>Financial Analysis?</i>	YES

City-wide Ranking:	
<i>Identification No:</i>	PED/125
<i>Neighborh'd Needs No:</i>	

PROJECT DESCRIPTION:

PERFORM ANALYSIS, MODEL FOR TRANSPORTATION MODES, PUBLIC INVOLVEMENT PROGRAM, CORRIDOR CONCEPT DESIGNS AND ALTERNATIVES/OPTIONS, COUNCIL ADOPTION OF CORRIDOR DESIGN, A 3 YEAR PROJECT CULIMNATING IN CONSTRUCTION OF THE APPROVED CONCEPT

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>	0	86,874	90,000				176,874	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>	0		60,000	6,000,000			6,060,000	
TOTAL	0	86,874	150,000	6,000,000	0	0	6,236,874	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P						
<i>Design/Proj Mgt</i>			D					
<i>Site Acquisition</i>			A					
<i>Constr/Equip</i>				C				
EST OPER/MAINT COSTS							0	

PROJECT: *PEDESTRIAN ACCESS TO TRANSIT 1&2*

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Pedestrian Program*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

<i>Public Facility Plan?</i>	YES	System Ranking:	104 4
<i>Asset Mgmt Plan?</i>	YES	<i>Urban Services?</i>	NO
		<i>Financial Analysis?</i>	YES

City-wide Ranking:	
<i>Identification No:</i>	PED/901
<i>Neighborh'd Needs No:</i>	

PROJECT DESCRIPTION:

ANALYZE THE PHYSICAL FACTORS THAT INFLUENCE THE CHIOCE TO USE TRANSIT AND IDENTIFY CAPITAL IMPROVEMENTS TO THE RIGHT-OF-WAY THAT WILL ENHANCE PEDESTRIAN ACCESS TO TRANSIT FACILITIES. DESIGN PROTOTYPE IMPROVEMENTS THAT CAN BEST IMPROVE PEDESTRIAN ACCESS TO TRANSIT TO INCREASE RIDERSHIP AND REDUCE SOV USE

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>							0	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>	0	200,000					200,000	
<i>Other</i>							0	
TOTAL	0	200,000	0	0	0	0	200,000	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P						
<i>Design/Proj Mgt</i>		D						
<i>Site Acquisition</i>								
<i>Constr/Equip</i>								
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: *PED CROSSING DEMO PROJECTS*

OBJECTIVES

Capital System: *Transportation*
Program: *Alternative Modes*
Subprogram: *Pedestrian Program*

<i>Maintain Capacity</i>	X
<i>Upgrade Exist Facility</i>	
<i>Add Capacity</i>	

System Ranking:	108 8
<i>Urban Services?</i>	NO
<i>Financial Analysis?</i>	YES

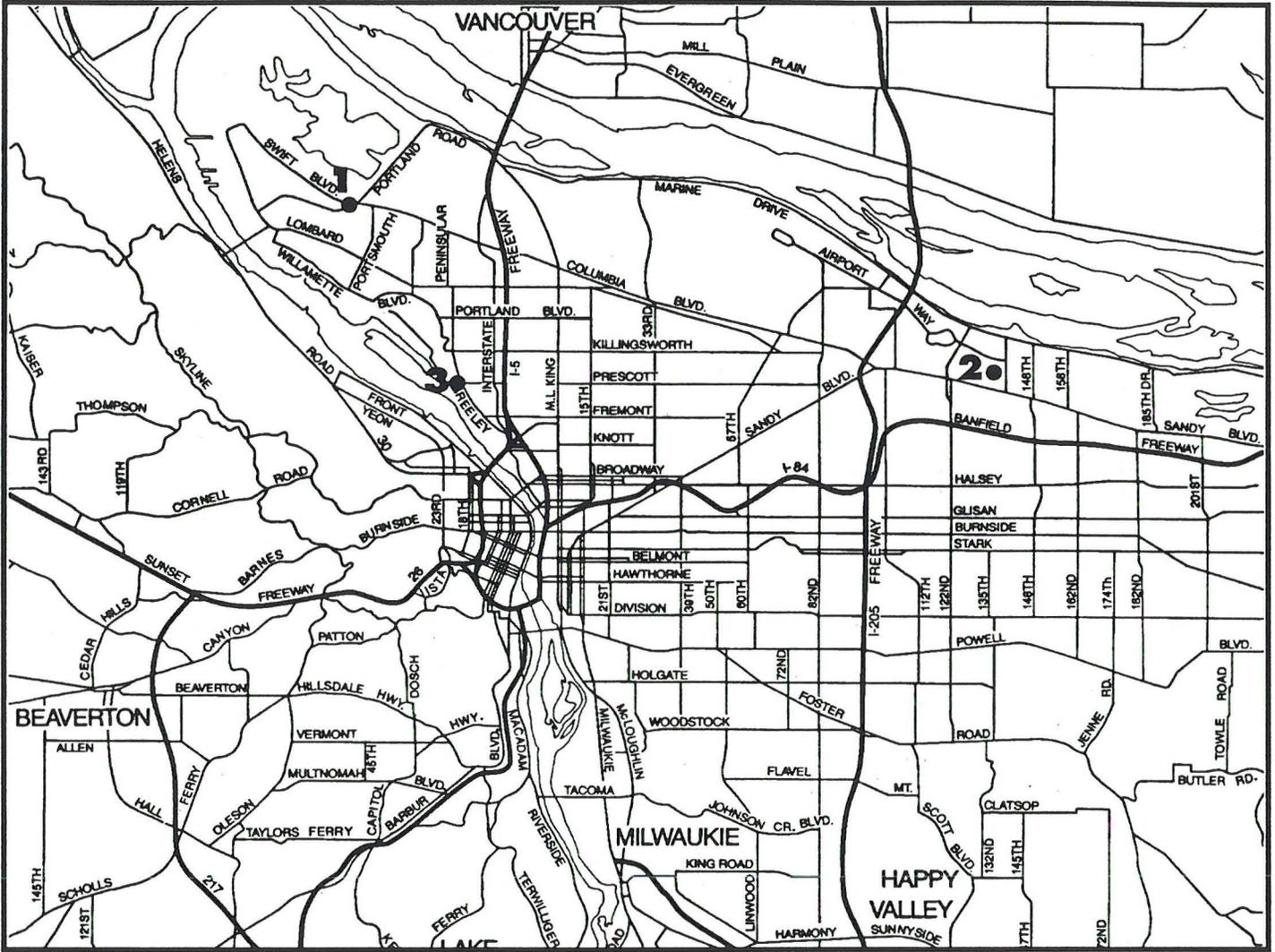
City-wide Ranking:	
<i>Identification No:</i>	PED/121
<i>Neighborh'd Needs No:</i>	

<i>Public Facility Plan?</i>	YES
<i>Asset Mgmt Plan?</i>	YES

PROJECT DESCRIPTION:

THE PROJECT WILL CONSIST OF ENGINEERING AND CONSTRUCTION OF PROJECTS TO DEMONSTRATE CROSSING SOLUTIONS FROM A TOOLBOX BEING DEVELOPED AS PART OF A CURRENT STUDY. THE DEMO PROJECTS WILL ALLOW STAFF TO EVALUATE THE EFFECTIVENESS OF A VARIETY OF PEDESTRIAN CROSSING SOLUTIONS. LESSONS LEARNED WILL BE APPLIED TO FUTURE PEDESTRIAN CROSSING PROJECTS.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
<i>General Fund</i>							0	
<i>Transportation</i>	10,000	150,001	175,000	0	0	0	325,001	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	10,000	150,001	175,000	0	0	0	325,001	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>	P	P						
<i>Design/Proj Mgt</i>	.	D						
<i>Site Acquisition</i>	.							
<i>Constr/Equip</i>	.	C						
EST OPER/MAINT COSTS							0	



1. N Portland Road over UPRR
2. NE 138th over Columbia Slough
3. Seismic Risk Analysis

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: SEISMIC RISK ANALYSIS

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Structures

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	60
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SME/505
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

DESIGN AND CONSTRUCTION OF SEISMIC RETROFIT WORK ON THE CITY'S BRIDGE INVENTORY AS IDENTIFIED AND PRIORITIZED DURING FISCAL YEAR 1993-94. IN 94-95, RETROFIT DESIGN FOR N GOING ST BRIDGE OVER UPRR TRACKS WILL BE COMPLETED. PROJECT PROVIDES FOR CONSTRUCTION OF PHASE I PORTION OF RETROFIT AND FOR DESIGN OF RETROFIT FOR NE 12TH AVE BRIDGE OVER I-84. FUTURE YR PROJECTS CONTINUE CONSTRUCTION & DESIGN OF RETROFITS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	124,226	116,000	233,000	594,000	1,128,000	500,000	2,571,000	28,000,000
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	124,226	116,000	233,000	594,000	1,128,000	500,000	2,571,000	28,000,000
TOTAL LEVERAGED							0	
COSTS								
Planning	P	-	-	-	-	-		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	-	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: N PORTLAND ROAD OVER UPRR

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Structures

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	73
Public Facility Plan?	YES
Asset Mgmt Plan?	YES
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SME/514
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

REPLACEMENT OF EXISTING STRUCTURE WITH A BRIDGE THAT HAS A WIDER ROADWAY SECTION, INCREASED LOAD CAPACITY, IMPROVED APPROACHES, ADEQUATE UNDER-CLEARANCE AND NEW FOUNDATIONS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	36,378	130,336	304,043				434,379	
Rate/Charge/Contracts							0	
Fed/State/Other Local	243,454	60,635	2,060,154				2,120,789	
Other							0	
TOTAL	279,832	190,971	2,364,197	0	0	0	2,555,168	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	-	-	-	-	-		
Design/Proj Mgt	D	-	-	-	-	-		
Site Acquisition	-	A	-	-	-	-		
Constr/Equip	-	C	C	-	-	-		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: SEISMIC RISK ANALYSIS

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Structures

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 60
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: SME/505
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

DESIGN AND CONSTRUCTION OF SEISMIC RETROFIT WORK ON THE CITY'S BRIDGE INVENTORY AS IDENTIFIED AND PRIORITIZED DURING FISCAL YEAR 1993-94. PROJECT PROVIDES FOR CONSTRUCTION OF N GOING STREET BRIDGE RETROFIT AND FOR DESIGN OF RETROFIT FOR NE 12TH AVE BRIDGE OVER I-84. FUTURE YR PROJECTS CONTINUE CONSTRUCTION & DESIGN OF RETROFITS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund		340,000					340,000	
Transportation	124,226	116,000	233,000	594,000	1,128,000	500,000	2,571,000	28,000,000
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	124,226	456,000	233,000	594,000	1,128,000	500,000	2,911,000	28,000,000
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	.	.	.	.	.	.
Constr/Equip	.	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: N PORTLAND ROAD OVER UPRR

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Structures

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

Public Facility Plan? YES
 Asset Mgmt Plan? YES

System Ranking: 73
 Urban Services? NO
 Financial Analysis? YES

City-wide Ranking:
 Identification No: SME/514
 Neighborh'd Needs No:

PROJECT DESCRIPTION:

REPLACEMENT OF EXISTING STRUCTURE WITH A BRIDGE THAT HAS A WIDER ROADWAY SECTION, INCREASED LOAD CAPACITY, IMPROVED APPROACHES, ADEQUATE UNDER-CLEARANCE AND NEW FOUNDATIONS.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	36,378	130,336	304,043				434,379	
Rate/Charge/Contracts							0	
Fed/State/Other Local	243,454	60,635	2,060,154				2,120,789	
Other							0	
TOTAL	279,832	190,971	2,364,197	0	0	0	2,555,168	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	.	.	.	.	.
Design/Proj Mgt	D	.	.	.	.	.
Site Acquisition	.	A	.	.	.	.
Constr/Equip	.	C	C	.	.	.		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: NE 138TH OVER COLUMBIA SLOUGH

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Structures

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

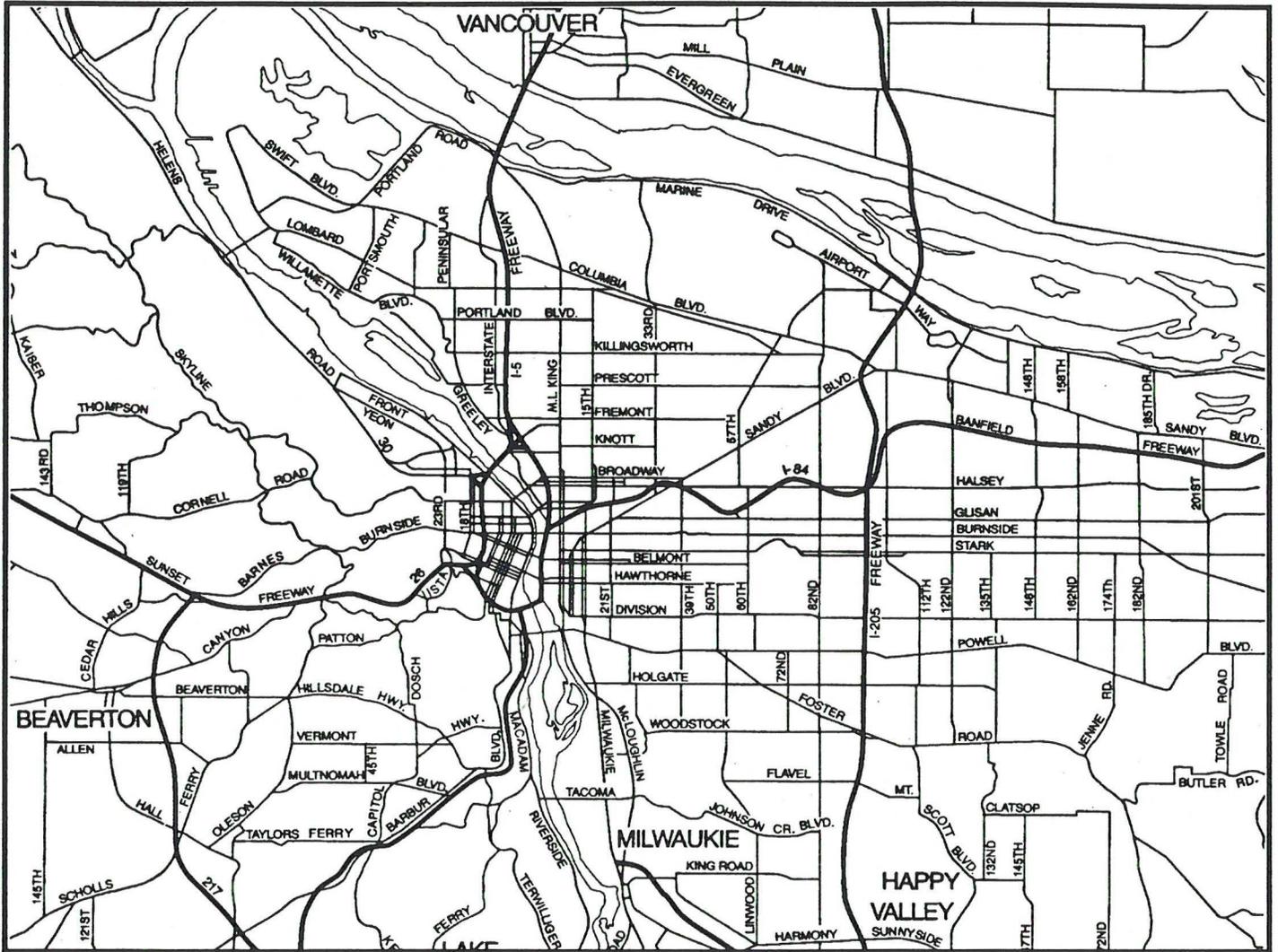
System Ranking:	92
Public Facility Plan?	YES
Urban Services?	NO
Asset Mgmt Plan?	YES
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SME/511
Neighborh'd Needs No:	

PROJECT DESCRIPTION:

REMOVAL OF A DETERIORATING TIMBER BRIDGE AND REPLACEMENT WITH A PRESTRESSED CONCRETE SPAN ON CONCRETE PILE CAP ABUTMENTS. THE DESIGN, PLANS, AND SPECIFICATIONS WERE COMPLETED IN A PRIOR YEAR. THIS PROJECT WILL HAVE TO BE METRICATED TO COMPLY WITH FEDERAL REQUIREMENTS.

FUNDING SOURCES	<i>Prior Yrs</i>	<i>FY 95-96</i>	<i>FY 96-97</i>	<i>FY 97-98</i>	<i>FY 98-99</i>	<i>FY 99-00</i>	<i>5 Yr Total</i>	<i>Yrs 6-10</i>
General Fund							0	
Transportation	0	1,656	87,500				89,156	
Rate/Charge/Contracts							0	
Fed/State/Other Local	0	14,903	787,500				802,403	
Other							0	
TOTAL	0	16,559	875,000	0	0	0	891,559	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P							
Design/Proj Mgt	D	D						
Site Acquisition		A						
Constr/Equip			C					
EST. OPER/MAINT COSTS							0	



CITY-WIDE - NOT MAPPED

- 1. Remodels for Maintenance, Unit 4
- 2. Signal Safety Remodels, Unit 6

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: SIGNAL SAFETY REMODELS

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Traffic Signals

Maintain Capacity	X
Upgrade Exist Facility	
Add Capacity	

System Ranking:	44
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/069
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

The project will completely remodel the traffic signals at four to five locations per year (exact locations have not yet been chosen). These will be locations that have safety problems and are in need of a complete remodel. By so doing, this improves safety and reduces maintenance costs.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	300,000	300,000	300,000	500,000	500,000	500,000	2,100,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	300,000	300,000	300,000	500,000	500,000	500,000	2,100,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning	P	P	P	P	P	P		
Design/Proj Mgt	D	D	D	D	D	D		
Site Acquisition	-	-	-	-	-	-		
Constr/Equip	C	C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT: REMODELS FOR MAINTENANCE

OBJECTIVES

Capital System: Transportation
Program: Preservation/Rehabilitation
Subprogram: Traffic Signals

Maintain Capacity	
Upgrade Exist Facility	X
Add Capacity	

System Ranking:	71
Urban Services?	NO
Financial Analysis?	YES

City-wide Ranking:	
Identification No:	SIG/070
Neighborh'd Needs No:	

Public Facility Plan?	YES
Asset Mgmt Plan?	YES

PROJECT DESCRIPTION:

This project will completely remodel the traffic signals at 1-3 locations. The existing signals are in need of remodeling due to current age and condition of the signal equipment. As noted in the Status and Condition report, the number of signalized intersections in "poor" condition is increasing every year. Now over 185 locations are beyond their useful life. We must address this infrastructure need.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
General Fund							0	
Transportation	270,744	170,000	270,000	270,000	270,000	270,000	1,250,000	
Rate/Charge/Contracts							0	
Fed/State/Other Local							0	
Other							0	
TOTAL	270,744	170,000	270,000	270,000	270,000	270,000	1,250,000	0
TOTAL LEVERAGED							0	
COSTS								
Planning		P	P	P	P	P		
Design/Proj Mgt		D	D	D	D	D		
Site Acquisition		-	-	-	-	-		
Constr/Equip		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL

PROJECT: **REMODELS UNIT 3/4**

OBJECTIVES

Capital System: *Transportation*
Program: *Preservation/Rehabilitation*
Subprogram: *Traffic Signals*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

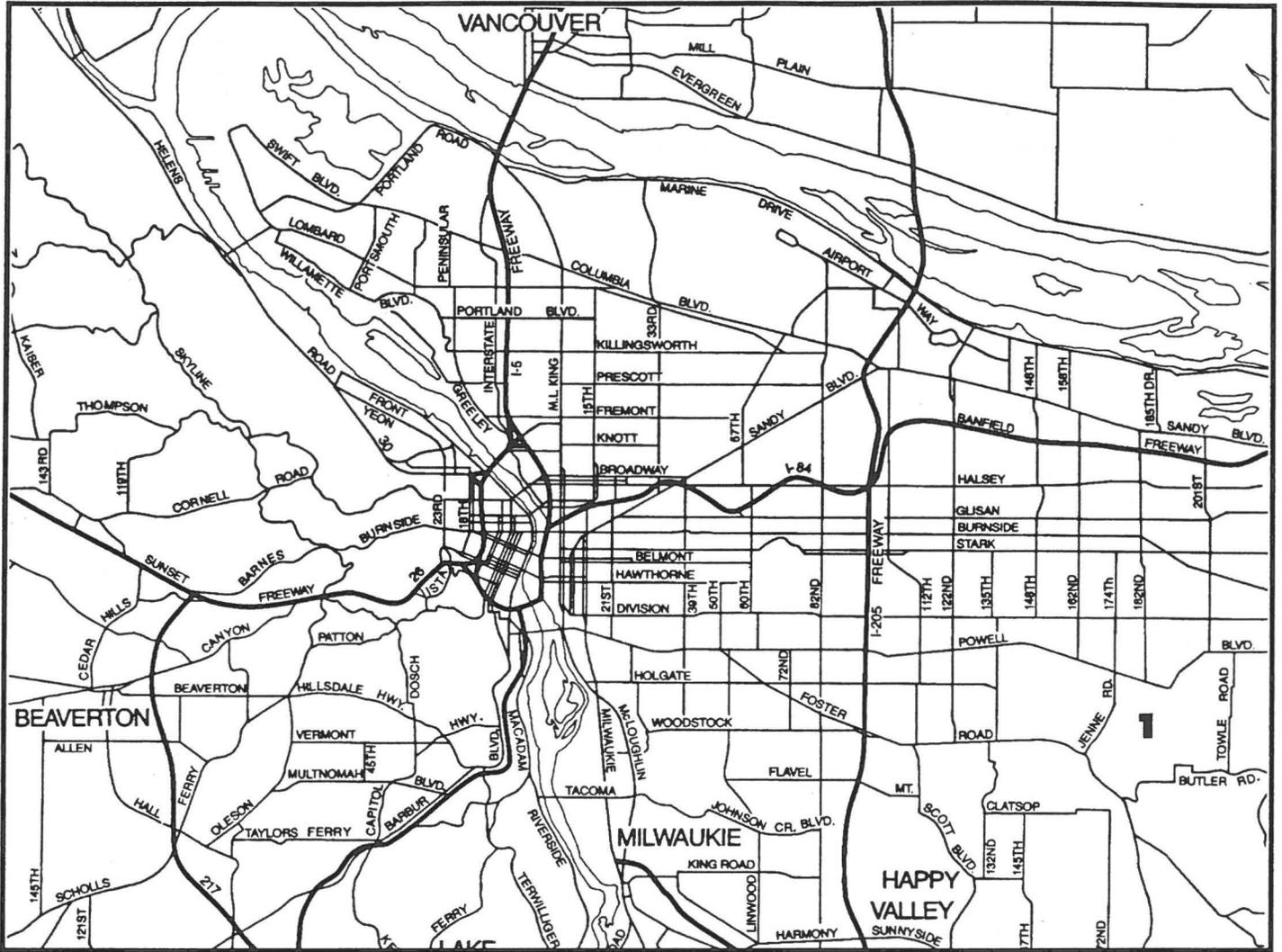
System Ranking: **103**
Public Facility Plan? **YES** *Urban Services?* **NO**
Asset Mgmt Plan? **YES** *Financial Analysis?* **YES**

City-wide Ranking:
Identification No: **SIG/309**
Neighborhood Needs No:

PROJECT DESCRIPTION:

93/94 SAFETY REMODELS AND MAINTENANCE REMODELS AT A TOTAL OF 8 INTERSECTIONS. THIS IS A COMBINATION OF 2 PROJECTS: THAT WERE CARRIED OVER TO FY94/95, WITH SOME PARTIAL REBUDGET IN FY95/96.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>							0	
<i>Transportation</i>	515,000	18,180	0	0	0	0	18,180	
<i>Rate/Charge/Contracts</i>							0	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	515,000	18,180	0	0	0	0	18,180	0
TOTAL LEVERAGED COSTS							0	
<i>Planning</i>	P	P	.	.	.	.
<i>Design/Proj Mgt</i>	.	D	.	.	.	.
<i>Site Acquisition</i>	.	.	.	.	.	.
<i>Constr/Equip</i>	.	C	.	.	.	.
EST OPER/MAINT COSTS							0	



1. Conversions in Annexed Areas

PROGRAM LOCATION MAP
For Projects Funded in FY 95-96

PROJECT DETAIL

PROJECT: **CONVERSIONS IN ANNEXED AREAS**

OBJECTIVES

Capital System: *Transportation*
Program: *Preservation/Rehabilitation*
Subprogram: *Street Lighting*

<i>Maintain Capacity</i>	
<i>Upgrade Exist Facility</i>	X
<i>Add Capacity</i>	

Public Facility Plan? YES **System Ranking:** 41
Asset Mgmt Plan? YES *Urban Services?* NO
Financial Analysis? YES

City-wide Ranking:
Identification No: STL/420
Neighborh'd Needs No:

PROJECT DESCRIPTION:

THE CITY HAS AN ONGOING PROGRAM TO REPLACE MERCURY VAPOR LIGHTS WITH HIGH PRESSURE SODIUM VAPOR LIGHTS WHICH ARE NEARLY TWICE AS EFFICIENT. TO DATE, NEARLY ALL THE LIGHTS WITHIN THE CITY BOUNDARIES HAVE BEEN CONVERTED. EACH PHASE OF THE PROGRAM WILL CONTINUE CONVERSIONS IN ANNEXED AREAS. THE NUMBER OF CONVERSIONS WILL DEPEND ON THE AMOUNT OF AREA ANNEXED AND THE TYPE OF LIGHTS IN THAT AREA.

FUNDING SOURCES	Prior Yrs	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 Yr Total	Yrs 6-10
<i>General Fund</i>	146,157						0	
<i>Transportation</i>							0	
<i>Rate/Charge/Contracts</i>	0	60,000	65,000	40,000	25,000	25,000	215,000	
<i>Fed/State/Other Local</i>							0	
<i>Other</i>							0	
TOTAL	146,157	60,000	65,000	40,000	25,000	25,000	215,000	0
TOTAL LEVERAGED							0	
COSTS								
<i>Planning</i>		P	P	P	P	P		
<i>Design/Proj Mgt</i>		D	D	D	D	D		
<i>Site Acquisition</i>								
<i>Constr/Equip</i>		C	C	C	C	C		
EST OPER/MAINT COSTS							0	

PROJECT DETAIL SHEETS

Water Capital System

PROJECT DETAIL

Project Title: *AMR- RESIDENTIAL CUSTOMERS*
Project Ranking: *60 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*
Project Manager: *Whitfield*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide funding to install low power radio transmitting devices on water meters of residential customers of about 1/4 of the Bureau's service area. Installation of the devices will allow an economical method to provide monthly billing for those customers. Benefits of the project includes increased customer service, improved data collection on customer water use patterns and increased revenue. If proven successful, the program can be expanded to additional customers as funding is available.

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$272,600					\$272,000	\$272,000	\$4,272,000
Other											
Total				\$272,600					\$272,000	\$272,000	\$4,272,000

Costs/Schedule:

Planning											
Design/Project Management											
City				112,400					30,000	\$30,000	462,000
Contracted									82,400	\$82,400	1,294,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment				160,200					160,200	\$160,200	2,516,000
Total Annual Costs				\$272,600					\$272,600	\$272,600	\$4,272,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)
 (*) To be determined by pilot study project

			*	*	*	*	*
			*	*	*	*	*

PROJECT DETAIL

Project Title: *AMR- WHOLESALE CUSTOMERS*
Project Ranking: *74 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*
Project Manager: *Whitfield*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will provide funding to install low power radio transmitting devices on water meters that serve the Bureau's remaining wholesale customers not on the existing telemetry system and many large commercial customers. The benefits of the project are improved efficiency in the monthly reading of these accounts, better data collection on their use habits, improved & more efficient determination of peak rate use, and enhanced revenue by a more accurate determination of the wholesale customers peaking factors. One added benefit will be a reduction in safety hazard to our employees who must now climb into confined vaults to read meters..

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund											\$500,000
Other											
Total											\$500,000

259

PROJECT DETAIL

Project Title: *BRIDGE PIPE EVALUATION*
Project Ranking: *39.5 Non-Allocated Fund Group*
Project Identification # : *Act. 933; Proj. 3060*
Water System Need Addressed: *Public & Employee Safety*
Project Manager: *Saling*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will review the current design standards for bridge pipe systems including: investigation into pipe and to materials, types of hangers, safety, and history of failures. A criteria will be developed to which our existing bridge mains will be compared and recommendations on maintenance, modifications and replacement will be made. Recommendation will also include standards for future design. Primary benefit of the project is to improve the safety and reliability of pipelines hung on bridges.

260

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$25,000	\$25,000					\$25,000	\$50,000
Other											
Total				\$25,000	\$25,000					\$25,000	\$50,000

Costs/Schedule:											
Planning											
Design/Project Management											
City				15,000	15,000					15,000	30,000
Contracted				10,000	10,000					10,000	20,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$25,000	\$25,000					\$25,000	\$50,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *BUILDING MAINTENANCE - GENERAL*
Project Ranking: 112 Non-Allocated Fund Group
Project Identification # : Act. 914
Water System Need Addressed: *Maintain System*
Project Manager: *Hoffstetter*

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project provides for the maintenance of underground vaults, buildings, and grounds owned by the Water Bureau. A program for repair and maintenance of these facilities is essential to maintain their functionality. Structural maintenance of buildings and grounds under this project includes painting, roofing, repair of vandalism, paving, remodeling, and other related tasks. Maintenance associated with underground vaults is primarily centered around replacement of vaults that

are in need of improvements in order to enhance worker safety. Work slated for completion in FY 95-96 includes building modifications to achieve compliance with the Americans with Disabilities Act (ADA), roofing repairs to several buildings, and removal of the seismic hazards to employees at the various facilities. These activities help assure compliance with applicable regulations and include cost-effective repairs to correct or prevent damage to existing facilities.

Funding Sources:

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund		\$150,000		\$350,000	\$100,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,000,000	On-going
Other											
Total		\$150,000		\$350,000	\$100,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,000,000	On-going

Costs/Schedule:

Planning											
Design/Project Management											
City		\$48,000		58,000	60,000	120,000	120,000	180,000	120,000	600,000	
Contracted		\$28,000		61,000	10,000	20,000	20,000	30,000	20,000	100,000	
Site Acquisition											
Construction					20,000	40,000	40,000	60,000	40,000	200,000	
City				55,000	10,000	20,000	20,000	30,000	20,000	100,000	
Contracted		\$74,000		138,000							
Major Equipment				38,000							
Total Annual Costs		150,000		\$350,000	\$100,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,000,000	On-going

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: *BULL RUN BRIDGE MAINTENANCE*
Project Ranking: *38.5 Non-Allocated Fund Group*
Project Identification # : *Act. 906; Proj. 2905*
Water System Need Addressed: *Maintain System*
Project Manager: *Rector*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for bridge inspection by City bridge engineers and a phased minor repair and maintenance program on the major conduit and highway bridges in the Bull Run area. Twenty minor conduit bridges in the Bull Run Watershed and the right-of-way through Gresham are also included. The project also provides for Consulting services for structural evaluation and identification of requirements for improvements to the five major conduit bridges and one major highway bridge in the Bull Run area. Designs and construction of any major improvements to these bridges is funded as part of the Bull Run Bridge Improvements Project.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96				TOTAL	PROJECT COST	
Water Construction Fund		\$830	\$570	\$118,000	\$150,000	\$230,000	\$30,000	\$160,000	\$30,000	\$600,000	
Other											
Total		\$830	\$570	\$118,000	\$150,000	\$230,000	\$30,000	\$160,000	\$30,000	\$600,000	on-going

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year		FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96				TOTAL	PROJECT COST	
Planning											
Design/Project Management											
City				65,000	63,000	75,000	10,000	40,000	10,000	198,000	
Contracted				53,000							
Site Acquisition											
Construction											
City						55,000	20,000		20,000	95,000	
Contracted					87,000	100,000		120,000		307,000	
Major Equipment											
Total Annual Costs		\$830	\$570	\$118,000	\$150,000	\$230,000	\$30,000	\$160,000	\$30,000	\$600,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *BULL RUN LAKE MAINTENANCE*
Project Ranking: *69 Allocated Fund Group*
Project Identification # : *Act. 910; Proj. 2902*
Water System Need Addressed: *Maintain System*
Project Manager: *Mirafuente*

OFA Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This study includes maintenance of the man-made dike at Bull Run Lake. Wave action on the lake has caused severe erosion of the dike. A geotechnical study in FY 85-86 recommended corrective measures. Subsequent investigations have identified that maintenance of the access roads leading to the dike will also be needed prior to construction of dike repairs. The schedule for this project is dependent upon the U.S.F.S. Work during 94-95 included environmental planning & permitting of road and dike repairs, and final design of access road work. Road construction and design of dike maintenance is schedule to occur in FY 95-96. Dike maintenance construction is scheduled for FY 96-97. Primary purpose of the project is system maintenance.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund		\$52,200	\$16,784	\$70,000	\$160,000	390,000				\$550,000	$636,784
Other											
Total		\$52,200	\$16,784	\$70,000	\$160,000	\$390,000				\$550,000	\$636,784

Costs/Schedule:											
Planning											
Design/Project Management											
City		\$20,000	\$16,784	30,000	25,000	25,000				50,000	96,784
Contracted		\$32,200		40,000							40,000
Site Acquisition											
Construction											
City					98,700	65,000				163,700	163,700
Contracted					36,300	300,000				336,300	336,300
Major Equipment											
Total Annual Costs		\$52,200	\$16,784	\$70,000	\$160,000	\$390,000				\$550,000	\$636,784

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BULL RUN LAKE PUMP SYSTEM*
Project Ranking: *Non-Budgeted- Water Supply Planning Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Project will allow the Bureau to refill Bull Run Lake each year by pumping water from the Bull Run River to the lake during the winter months. Project includes a power source, intake and pump station on the Bull Run River, and 12,000 feet of 24" diameter pipeline to Bull Run Lake. Primary benefit of the project is to increase the available storage capacity in the Bull Run Lake. The project need and schedule are dependent upon the decision concerning the need for additional water supplies. That decision will not be made until after completion of the Regional Water Supply Plan in the Fall of 1995.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	TOTAL PROJECT COST
Water Construction Fund	\$300,000	\$300,000	\$1,400,000	\$2,000,000	\$4,000,000
Other					
	\$300,000	\$300,000	\$1,400,000	\$2,000,000	\$4,000,000

264

PROJECT DETAIL

Project Title: *BULL RUN LAKE STUDY*
Project Ranking: *34.5 Non-Allocated Fund Group*
Project Identification # : *Act. 967 ;Proj. 3472*
Water System Need Addressed: *Maintain System*
Project Manager: *Mirafuente*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides for a geologic, geotechnical, and hydrologic review of Bull Run Lake. The review would investigate the feasibility of an additional outlet to gain more effective water storage at Bull Run Lake. The review would also investigate reducing the leakage at the lake. If feasible, reducing the leakage will improve recovery from drawdowns and the lake's storage reliability. If proven feasible, sealing the source of leakage will enable Bull Run Lake to become an annually renewable storage, thereby increasing summer storage capacity in the watershed. The primary benefit from this project is additional water supply with secondary benefits of system maintenance, environmental enhancement and public & employee safety.

265

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$20,000		80,000	\$60,000	\$40,000	\$20,000	\$200,000	\$220,000
Other											
Total				\$20,000		\$80,000	\$60,000	\$40,000	\$20,000	\$200,000	\$220,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				5,000		10,000	10,000	10,000	10,000	40,000	45,000
Contracted				15,000		50,000	50,000	30,000	10,000	140,000	155,000
Site Acquisition											
Construction											
City											
Contracted						20,000				20,000	20,000
Major Equipment											
Total Annual Costs				\$20,000		\$80,000	\$60,000	\$40,000	\$20,000	\$200,000	\$220,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title:	BULL RUN RESERVOIR 2 WATER QUALITY STUDY	OFA Objectives:	
Project Ranking:	15 Non- Allocated Fund Group	<i>Maintenance/Repair</i>	<input type="checkbox"/>
Project Identification # :	Act. 968 ;Proj. 3476	<i>Replacement</i>	<input type="checkbox"/>
Water System Need Addressed:	<i>Respond to Growth</i>	<i>Mandated</i>	<input type="checkbox"/>
Project Manager:	<i>Peters</i>	<i>Expansion</i>	<input checked="" type="checkbox"/>
		<i>Efficiency</i>	<input type="checkbox"/>

Water level fluctuations in the two Bull Run Reservoirs can cause suspension of sediment (e.g. from stream deltas) and increases in turbidity levels. In particular, when the water level of Bull Run Reservoir 2 drops over ten feet, wave action on the high ground near the water intake can cause significant turbidity increases, resulting in potential violations of federal water quality standards. This project consists of developing a sediment transport/turbidity model to allow the bureau to

predict raw water turbidities as a function of reservoir level and climate conditions. The work will include some additional sediment monitoring, reservoir bottom mapping, and evaluation of options for reservoir operation to minimize turbidity increases. The project will result in improved operation of the reservoirs that may allow larger storage withdrawals. The primary benefit of the project is to meet system growth with secondary benefits of more efficient reservoir operation.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund						\$70,000	\$50,000			\$120,000
Other											
Total						\$70,000	\$50,000			\$120,000	\$120,000

Costs/Schedule:

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City						31,000	22,000			53,000	53,000
Contracted						39,000	28,000			67,000	67,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$70,000	\$50,000			\$120,000	\$120,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *BURLINGAME SERVICE AREA STORAGE IMPROVEMENTS*
Project Ranking: *72 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for an evaluation of Burlingame Service Area storage against the Bureau's storage criteria. Many of the existing storage facilities in the Burlingame service area were obtained by annexation and are located at elevations that are too low to operate effectively as part of the Burlingame pressure zone. The project also provides for construction of additional storage at the proper elevation if required; for piping and control modifications to improve operation of existing storage facilities if feasible; and for removal of existing storage facilities if unusable. Two existing storage facilities, Alfred Tank and Brugger Tank, may have sites suitable for constructing new storage for the area. This project incorporates the former Canby High Tank Replacement and Collins View Tank Modification projects. The primary benefit of the project is systems maintenance with secondary benefits of increasing system efficiency and capacity. The first year provides for a preliminary study and master plan for the service area, followed by design and construction in the following two years.

Funding Sources:	Pri orYrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund									\$30,000	\$30,000	\$2,775,000
Other											
Total									\$30,000	\$30,000	\$2,775,000

Costs/Schedule:	Pri orYrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management									30,000	30,000	
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs									\$30,000	\$30,000	\$2,775,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

267

PROJECT DETAIL

Project Title: *BURLINGAME/WCSL INTERTIE*
Project Ranking: *13 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for modifications and improvements to the intertie between the Washington County Supply Main and the Burlingame Distribution System at SW Beaverton-Hillsdale Highway and SW Capitol Highway (SW Bertha Viaduct) to allow a more reliable long-term supply. The present intertie is manually operated by a valve in the middle of the street and can only be used for short-term emergencies. The proposed modifications will allow longer term service from either source by the installation of a pressure regulating station, allowing automatic operation. The primary benefit of the project is enhancement of the supply system.

268

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund								\$100,000		\$100,000
Other											
Total								\$100,000		\$100,000	\$100,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City								20,000		20,000	20,000
Contracted											
Site Acquisition											
Construction											
City								80,000		80,000	80,000
Contracted											
Major Equipment											
Total Annual Costs								\$100,000		\$100,000	\$100,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *BURNSIDE PUMP STATION UPGRADE*
Project Ranking: *82.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Burnside Pump Station pumps to the Calvary Tank which is the primary supply for the Sylvan, Skyline and NW Hills storage area. The station also provides back-up supply to some of the Tualatin Valley Water District. The pump station also is needed for reliability in the event the primary station, the Hoyt Park Pump Station, is out of service or back-up emergency supply is needed by Tualatin Valley Water District. The project will reconstruct the existing facility, making system maintenance the primary benefit of the project.

Funding Sources:		Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
		269	Water Construction Fund									
	Other											
	Total											\$350,000

PROJECT DETAIL

Project Title: *CAPITOL HIGHWAY PUMP STATION*
Project Ranking: *47.5 Allocated Fund Group*
Project Identification # : *Act. 985 ;Proj. 3486*
Water System Need Addressed: *Respond to Growth*
Project Manager: *Saling*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides a new primary pumped supply source to the Arnold and Stephenson pressure systems in southwest Portland. The pump station will be designed to supply both the Arnold and Stephenson Reservoirs. The project will improve reliability and reduce the need for distribution storage in the area. The pump station will be supplied from the Burlingame system via the SW Supply Improvements Project. The new pump station will replace the existing Capital Highway Pump Station as well. The project is scheduled for design in FY 94-95 with construction to be completed in FY 95-96. The primary need addressed by this project is Public & Employee Safety with secondary benefits of Respond to Growth.

270

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year					5 YEAR TOTAL	TOTAL PROJECT COST	
				FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00		
Water Construction Fund		\$35,000	\$31,105	\$75,000	\$635,000					\$635,000	\$741,105
Other											
Total		\$35,000	\$31,105	\$75,000	\$635,000					\$635,000	\$741,105

Costs/Schedule:										
Planning										
Design/Project Management										
City		35,000	31,105	25,000	52,000				\$52,000	\$108,105
Contracted				50,000	75,000				\$75,000	\$125,000
Site Acquisition										
Construction										
City					30,000				\$30,000	\$30,000
Contracted					478,000				\$478,000	\$478,000
Major Equipment										
Total Annual Costs		\$35,000	\$31,105	\$75,000	\$635,000				\$635,000	\$741,105

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: CAREY BOULEVARD SUPPLY MAIN
Project Ranking: 73 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Respond to Growth
Proj Mngr:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

This project will provide a master plan for supply to the Rivergate area and provide a major supply loop to Hayden Island and to the Rivergate area. The project consists of 15,000 feet of 24-inch main in N Carey Boulevard and N Portland Road from N Princeton to N Suttle Road. This supply main includes a bridge crossing of the Burlington Northern Railroad Cut. The project will enable the elimination of the Rivergate Pump Station and will be needed for supply to West Hayden Island. The primary benefit of the project is to increase service capacity of the water system.

271

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund											\$2,785,000
Other											
Total											\$2,785,000

PROJECT DETAIL

Project Title: *CONDUIT 5*
Project Ranking: *Non-Budgeted Water Supply Planning Dependent*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The project proposes the construction of a 120 inch conduit from the Bull Run watershed to Portland storage facilities (23 miles). The conduit would have a capacity of 250 MGD, or about the same capacity as the total of the three existing conduits. Construction of this conduit would replace the three existing conduits as the main route for water from the Bull Run, while the other conduits would be held in reserve to provide for summer peak use. The project will provide dual benefits of system expansion and maintenance/replacement. Because Conduit 5 is expected to expand the system's capacity to meet growth outside the City, at least 10% of the project cost is anticipated to be provided by water districts and other cities served by the Water Bureau.

272

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total Project Cost
Water Construction Fund	\$90,000	\$4,410,000	\$31,500,000	\$27,000,000	\$27,000,000	\$9,410,000	\$99,320,000
Other	10,000	490,000	3,500,000	3,000,000	3,000,000	1,035,000	11,025,000
Total	\$100,000	\$4,900,000	\$35,000,000	\$30,000,000	\$30,000,000	\$10,445,000	\$110,445,000

PROJECT DETAIL

Project Title: *CONDUIT 5 - PRELIMINARY DESIGN*
Project Ranking: *34 Allocated Fund Group*
Project Identification # : *Act. 904*
Water System Need Addressed: *Maintain System*
Project Manager: *Collentine*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the preliminary design of Conduit No. 5. The preliminary design will confirm sizes and configurations; alignments, and right of way needs; costs and construction timelines. With this information, all appropriate right of way can be obtained and adequate space reserved in existing streets for the new conduit.

273

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$200,000	\$100,000				\$300,000	\$300,000
Other											
Total					\$200,000	\$100,000				\$300,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					46,000	25,000				71,000	71,000
Contracted					154,000	75,000				229,000	229,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$200,000	\$100,000				\$300,000	\$300,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: CONDUIT 5 RIGHT-OF-WAY
Project Ranking: 56 Allocated Fund Group
Project Identification # : Act. 90; Proj. 3201
Water System Need Addressed: Maintain System
Project Manager: Combs

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

This project provides for work required to survey, map, obtain and record easements to provide unencumbered Bureau rights along the 23-mile future Conduit 5 route. The vast majority of the pipeline route right-of-way has already been purchased. The primary purpose of the project is to maintain the Bureau's rights over the many easements. This is an on-going project until Conduit 5 is constructed.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$50,000	\$15,000	\$20,000	\$50,000	\$50,000	\$15,000	\$150,000	
Other											
Total				\$50,000	\$15,000	\$20,000	\$50,000	\$50,000	\$15,000	\$150,000	on-going

274

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				\$50,000	15,000	20,000	50,000	50,000	15,000	150,000	
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$15,000	\$20,000	\$50,000	\$50,000	\$15,000	\$150,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: CONDUIT BLOWOFF & ACCESS MAINTENANCE
Project Ranking: 93 Allocated Fund Group
Project Identification # : Act. 939 ;Proj. 3027
Water System Need Addressed: Maintain System
Project Manager: Mirafuente

OFA Objectives:	
Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

This project provides for a standard design and installation of manholes over existing buried conduit access holes. Currently, when access needed to a conduit the access hole must be excavated and shored. These manholes will be installed on an ongoing basis as the access holes are uncovered. These access points are routinely used for maintenance and inspection of the conduits that supply water to the City from the Bull Run watershed. The primary project benefit is systems maintenance with secondary benefits of employee safety and efficiency.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund		\$10,000	\$10,054	\$140,000	\$100,000	\$50,000	\$45,000	\$145,000	\$345,000	\$685,000	$835,054
Other											
275 Total		\$10,000	\$10,054	\$140,000	\$100,000	\$50,000	\$45,000	\$145,000	\$345,000	\$685,000	\$835,054

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City		10,000	10,054	79,000	51,000	40,000	35,000	40,000	70,000	236,000	325,054
Contracted				15,000	18,000			25,000	70,000	113,000	128,000
Site Acquisition											
Construction											
City											
Contracted				46,000	31,000	10,000	10,000	80,000	205,000	336,000	382,000
Major Equipment											
Total Annual Costs		\$10,000	\$10,054	\$140,000	\$100,000	\$50,000	\$45,000	\$145,000	\$345,000	\$685,000	\$835,054

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: CONDUIT RELOCATION - SANDY RIVER
Project Ranking: 58.5 Allocated Fund Group
Project Identification # : Act. 921
Water System Need Addressed: Maintain System
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project provides for the relocation of the Bull Run Conduit crossings of the Sandy River near Dodge Park. The relocation of Conduits 2 & 4 may be done in conjunction with the replacement by Clackamas County of the traffic bridge adjacent to the conduit bridge. The old existing conduit bridges are more than a century old and nearing the end of their useful life. The bridges were not designed to withstand earthquake loadings or volcanic generated mud flows in the Sandy River. This project will investigate the options for protecting the bridges from these potential hazards. The project will result in the construction of the selected alternative. The costs estimates are based on construction of underwater crossings. Primary benefit of the project is to maintain the water system. Secondary benefit is to enhance the systems reliability.

276

Funding Sources:	Pri or Yrs	Budget	Actual	Current Year						TOTAL		
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 04-05	PROJECT COST	
Water Construction Fund					\$100,000	\$1,400,000					\$1,500,000	\$1,500,000
Other												
Total					\$100,000	\$1,400,000					\$1,500,000	\$1,500,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					51,000	100,000					151,000	151,000
Contracted					49,000	200,000					249,000	249,000
Site Acquisition												
Construction												
City												
Contracted						1,100,000					1,100,000	1,100,000
Major Equipment												
Total Annual Costs					\$100,000	\$1,400,000					\$1,500,000	\$1,500,000

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: *CONDUIT RELOCATIONS - MT. HOOD EXPRESSWAY*
Project Ranking: *Mandatory*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager: *Nelson*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for relocation of the three Bull Run conduits within the City of Gresham to accommodate the proposed Mt. Hood ExpressWay. The route alternatives for the expressway have not been selected nor a firm schedule determined. It is anticipated that at least 80% of the relocation's costs will be funded by ODOT. The project will be mandated by the state once a final route is selected for the expressway.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$100,000	\$439,000				\$539,000	\$539,000
Other- ODOT (80%)											
Total					\$100,000	\$439,000				\$539,000	\$539,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					40,000	30,000				\$70,000	\$70,000
Contracted					60,000	20,000				\$80,000	\$80,000
Site Acquisition											
Construction											
City						19,000				19,000	\$19,000
Contracted						370,000				\$370,000	\$370,000
Major Equipment											
Total Annual Costs					\$100,000	\$439,000				\$539,000	\$539,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: CONTROL SYSTEMS IMPROVEMENT
Project Ranking: 41.5 Non-Allocated Fund Group
Project Identification # : Act. 998 ;Proj. 3021
Water System Need Addressed: Economic Viability
Project Manager: Steiner

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project provides for adding new telemetry sites to the Water Bureau's SCADA (Supervisory Control and Data Acquisition) system. New sites are needed to address facilities acquired by annexation, to improve operational reliability and efficiency, to monitor outside purveyors, and to monitor additional key operational data points. The project is intended to be an on-going program whose primary benefit is improving the efficient operation and design of the water system.

Funding Sources:	PriorYrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund		\$6,844	\$6,957	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going
Other											
878 Total	on-going	\$6,844	\$6,957	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going

Costs/Schedule:	PriorYrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City		1,844	1,957	\$7,000	7,000	7,000	7,000	7,000	7,000	\$35,000	
Contracted											
Site Acquisition											
Construction											
City				\$13,000	13,000	13,000	13,000	13,000	13,000	\$65,000	
Contracted		5,000	5,000	\$5,000	5,000	5,000	5,000	5,000	5,000	\$25,000	
Major Equipment											
Total Annual Costs	on-going	\$6,844	\$6,957	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *CORROSION CONTROL EXTERNAL*
Project Ranking: *109 Allocated Fund Group*
Project Identification # : *Act. 907; Proj. 3037*
Water System Need Addressed: *Maintain System*
Project Manager: *Greenberger*

OFA Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project provides for cathodic protection corrosion control for the conduits, supply mains, and storage tanks. The project funds maintenance of existing and installation of new cathodic protection systems. This is an on-going project whose primary benefit is maintenance of the water system.

279

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund		\$160,000	\$165,293	\$150,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$700,000	on-going
Other											
Total		\$160,000	\$165,293	\$150,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$700,000	on-going

Costs/Schedule:											
Planning											
Design/Project Management											
City			\$20,000	14,000	14,000	14,000	28,000	28,000	\$98,000		
Contracted											
Site Acquisition											
Construction											
City			\$20,000	13,000	13,000	13,000	26,000	26,000	\$91,000		
Contracted			\$110,000	73,000	73,000	73,000	146,000	146,000	\$511,000		
Major Equipment											
Total Annual Costs		\$160,000	\$165,293	\$150,000	\$100,000	\$100,000	\$100,000	\$200,000	\$200,000	\$700,000	on-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title:	CORROSION CONTROL REGULATION COMPLIANCE	OFA Objectives:	
Project Ranking:	Mandatory	Maintenance/Repair	
Project Identification # :	Act. 973 ;Proj. 3468	Replacement	
Water System Need Addressed:	Public Health	Mandated	X
Project Manager:	Kipper	Expansion	
		Efficiency	

This project includes a study of the changes required to the water system improvement alternatives project, in order to comply with new federal regulations for copper and lead. A study of recommended changes in water chemistry to optimize corrosion was completed in 1994. The results of the study indicates the Bureau will need to design and construct water treatment facilities to comply with the regulations. Pre-design and design of corrosion control measures is underway in FY 94-95 with construction scheduled for FY 95-96 and FY 96-97. A concurrent study is also being performed in FY 94-95 to determine if any non-chemical treatment alternatives exist. The primary benefit of the project is the protection of public health.

280

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund	\$350,000	\$431,846	\$430,236	\$803,000	\$1,825,000	\$1,990,000				\$3,815,000	$5,048,236
Other											
Total	\$350,000	\$431,846	\$430,236	\$803,000	\$1,825,000	\$1,990,000				\$3,815,000	\$5,048,236

Costs/Schedule:											
Planning											
Design/Project Management											
City				\$303,000	125,000	200,000				\$325,000	\$628,000
Contracted				\$500,000	200,000	90,000				\$290,000	\$790,000
Site Acquisition											
Construction											
City											
Contracted					1,500,000	1,700,000				\$3,200,000	\$3,200,000
Major Equipment											
Total Annual Costs	\$350,000	\$431,846	\$430,236	\$803,000	\$1,825,000	\$1,990,000				\$3,815,000	\$5,048,236

Estimated Additional Operating/Maintenance Costs				\$700,000	\$700,000	\$700,000	\$2,100,000	on-going
Estimated Additional Operating/Maintenance (Savings)								

PROJECT DETAIL

Project Title: *COUNCIL CREST RESERVOIR NO. 3*
Project Ranking: *83.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides for an evaluation of Council Crest Service Area storage with the Bureau's storage criteria. The project also provides for construction of additional storage, if required, and for piping and control modifications to improve the operation of the existing storage facilities. The primary benefit of the project is to improve the fire protection and service capacity by bringing this area up to current system standards.

281

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$450,000
Other											
Total											\$450,000

PROJECT DETAIL

Project Title: *CRYPTOSPORIDIUM STUDY*
Project Ranking: *35 Allocated Fund Group*
Project Identification # : *Act. 992*
Water System Need Addressed: *Public Health*
Proj Mngr: *Knudson*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Study will investigate the concentration of Cryptosporidium oocysts found in Portland's Bull Run water source, the effectiveness of Portland's disinfection system in killing the oocysts, and the Cryptosporidium disease incidence level in the population of the region. It is anticipated that the study will be conducted in cooperation with the Oregon Health Division, Multnomah County and several major west coast water systems.

EPA is currently developing options to regulate Cryptosporidium Oocysts in water systems. The primary benefit of the study is to develop background information necessary for Portland to comment on and ultimately to comply with these new regulations.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$50,000	\$250,000					\$250,000	$300,000
Other											
Total				\$50,000	\$250,000					\$250,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning				\$50,000							\$50,000
Design/Project Management											
City					50,000					\$50,000	\$50,000
Contracted					200,000					\$200,000	\$200,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$250,000					\$250,000	\$300,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *CUSTOMER BILLING & INFORMATION SYSTEM*
Project Ranking: *Mandatory*
Project Identification # : *Act. 989; Proj. 3057*
Water System Need Addressed: *Maintain System*
Project Manager: *Whitfield*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project completes the replacement of the existing Customer Billing and Information System (CBIS). The Bureau currently processes water and sewer bills for over 150,000 accounts. Total annual cash flow through the system is \$100 million. The existing system lacks flexibility required to meet emerging billing needs. This project will provide for conversion of the existing billing system to one that will meet our customer's need for information about their conservation efforts. System will also provide for additional features not needed when the existing system was purchased 12 years ago.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$200,000	\$400,000					\$400,000	\$600,000
Other											
Total				\$200,000	\$400,000					\$400,000	\$600,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City											
Contracted				\$100,000	200,000					\$200,000	\$300,000
Site Acquisition											
Construction											
City											
Contracted				\$100,000	200,000					\$200,000	\$300,000
Major Equipment											
Total Annual Costs				\$200,000	\$400,000					\$400,000	\$600,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

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PROJECT DETAIL

Project Title: *DAM 1 OUTLET WORKS*
Project Ranking: *35 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project provides for an engineering study of the outlet works associated with Dam #1. These facilities are nearly 70 years old and are critical to the safe and reliable operation of the dam. The study will investigate the condition of these facilities and recommend procedures to upgrade and maintain the integrity of the dam, as well as urgency and priority. Actual construction will be accomplished in a future capital project as recommended by the study.

284

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST	
Water Construction Fund						\$210,000					\$210,000	\$210,000
Other												
Total						\$210,000				\$210,000	\$210,000	

Costs/Schedule:

Planning												
Design/Project Management												
City						10,000				10,000	10,000	
Contracted						200,000				200,000	200,000	
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment												
Total Annual Costs						\$210,000				\$210,000	\$210,000	

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *DAM 2 SPILLWAY RAISE*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # : *Act. 982 ;Proj. 3482*
Water System Need Addressed: *Respond to Growth*
Project Manager: *Mirafuente*

Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for a feasibility study and if feasible, the ultimate construction of an inflatable dam on the existing Dam No. 2 spillway. This inflatable dam would increase the amount of water that can be stored in Bull Run Reservoir No. 2 thereby providing added flexibility for operation of the reservoir during periods of time when system demand is high. Major project funding is not included in the CIP because the need for the project is dependent upon decisions to be made after completion of the Regional Water Supply Study in the Fall of 1995.

285

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	TOTAL PROJECT COST
Water Construction Fund	\$150,000	\$350,000	\$350,000	\$300,000	\$200,000	\$2,000,000	\$3,350,000
Other							
Total	\$150,000	\$350,000	\$350,000	\$300,000	\$200,000	\$2,000,000	\$3,350,000

PROJECT DETAIL

Project Title: *DAM 2 TOWER IMPROVEMENTS*
Project Ranking: *101 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes the study, design, and construction of modifications to the existing intake tower at Bull Run Reservoir 2, to allow for selective withdrawal from various levels within the reservoir. The existing towers make use of a stop-log system to adjust the intake level; this system has proven to be very difficult to adjust and control. The proposed improvements will provide greater flexibility and control of reservoir operations, with related benefits in water quality, operator safety and system reliability.

286

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund							\$50,000	\$750,000		800,000	\$800,000
Other											
Total							\$50,000	\$750,000		\$800,000	\$800,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City							10,000	20,000		30,000	30,000
Contracted							40,000	30,000		70,000	70,000
Site Acquisition								50,000		50,000	50,000
Construction								650,000		650,000	650,000
City											
Contracted											
Major Equipment											
Total Annual Costs							\$50,000	\$750,000		\$800,000	\$800,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *DAM 3*
Project Ranking: *Non-Budgeted Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the design and construction of a third Dam in the Bull Run watershed. The projects includes the necessary studies and permits, and construction of the dam, outlet and impoundment. Project costs do not include a hydro plant, water treatment plant or Conduit 5. Primary benefit of the project is to increase the system capacity. Funding for the project is dependent upon decisions made after completion of the Regional Water Supply Study in the Fall of 1995 and therefore the funding is not included in the CIP. Project funding is shown as 75% from other water systems due to much of the added capacity being to meet their needs.

287

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	Total Project Cost
Water Construction Fund	\$27,500	\$125,000	\$27,500	\$250,000	\$250,000	\$1,250,000	\$5,000,000	\$12,500,000	\$15,000,000	\$3,250,000	\$37,680,000
Other	82,500	375,000	82,500	750,000	750,000	3,750,000	15,000,000	37,500,000	45,000,000	9,750,000	113,040,000
Total	\$110,000	\$500,000	\$110,000	\$1,000,000	\$1,000,000	\$5,000,000	\$20,000,000	\$50,000,000	\$60,000,000	\$13,000,000	\$150,720,000

PROJECT DETAIL

Project Title: DEMAND MODEL PROJECT IMPLEMENTATION (0-1 YEARS)
Project Ranking: 69 Allocated Fund Group
Project Identification # : Act. 955; Proj. 3058
Water System Need Addressed: Economic Viability
Project Manager: Jortner

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project will develop a short-term (daily, weekly, monthly, seasonal), automated water demand forecasting model for primary use by the Water Control Center in seasonal supply planning and systems operations. It will also involve developing linkages to spatial databases and the mid-range forecasting program to assist in network analysis and systems optimization. Staff training is anticipated as is the purchase of new or supplemental computer hardware to support the system. Primary benefit of the project is to improve the efficient operation and design of the water system.

288

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$36,000	\$20,000					\$20,000	$56,000
Other											
Total				\$36,000	\$20,000					\$20,000	\$56,000

Costs/Schedule:											
Planning											
Design/Project Management											
City				20,000	20,000					20,000	40,000
Contracted				16,000							16,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$36,000	\$20,000					\$20,000	\$56,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: DEMAND MODEL PROJECT IMPLEMENTATION (1-20 YEARS)
Project Ranking: 62.5 Allocated Fund Group
Project Identification # : Act. 92; Proj. 3059
Water System Need Addressed: Economic Viability
Project Manager: Jortner

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project will develop a short-term (daily, weekly, monthly, seasonal), automated water demand forecasting model for use in rate analysis, conservation planning and implementation, CIP and financial planning, systems design and supply planning. It will include development of data collection and management programs as inputs to the model. Contribution to development of the billing system and GIS, along with linkages to the Metro Regional Land Information System are anticipated as part of this project. Modeling components are anticipated to include requirements, end use, and spatial aggregation models. Econometric models may be developed as resources allow. Staff training is anticipated and purchase of computer hardware to support the program. Primary benefit of the project is to improve the efficient operations and design of the water system.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$60,000	\$130,000	\$230,000	\$150,000			\$510,000	\$570,000
Other											
Total				\$60,000	\$130,000	\$230,000	\$150,000			\$510,000	\$570,000

Costs/Schedule:										
Planning										
Design/Project Management										
City			51,500	78,500	78,500	78,500			235,500	287,000
Contracted			8,500	30,000	70,000	50,000			150,000	158,500
Site Acquisition										
Construction										
City										
Contracted										
Major Equipment				21,500	81,500	21,500			124,500	124,500
Total Annual Costs			\$60,000	\$130,000	\$230,000	\$150,000			\$510,000	\$570,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

289

PROJECT DETAIL

Project Title: *DISTRIBUTION SYSTEM STATION MONITORING*
Project Ranking: *12 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The state and federal Coliform Rule requires that all points within the water distribution system have at least a detectable level of chlorine. This project includes installation of continuous, automatic chlorine residual analyzers at several locations throughout the distribution system. Results from these analyzers will be monitored at the Bureau's Water Control Center to allow rapid detection of potential problems and better assure compliance with the new regulations. The primary benefit of the project is to protect the health of the public.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund								\$75,000	\$75,000	\$150,000	\$150,000
Other											
Total								\$75,000	\$75,000	\$150,000	\$150,000

290

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City							17,000	15,000	32,000	32,000	32,000
Contracted											
Site Acquisition											
Construction											
City							23,000	25,000	48,000	48,000	48,000
Contracted							35,000	35,000	70,000	70,000	70,000
Major Equipment											
Total Annual Costs							\$75,000	\$75,000	\$150,000	\$150,000	\$150,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *DIVERSION DAM REPAIR*
Project Ranking: *38.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project includes maintenance to the existing diversion dam, which is the primary means of diverting water from the outlet of Bull Run Reservoir 2 into the conduits at the Headworks. This diversion dam is approximately 80 years old. Current maintenance needs include extensive spalling of concrete on the dam spillway and replacement of drainage gates. Primary benefit of the project is to maintain the water system.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96					TOTAL	PROJECT COST
Water Construction Fund								\$50,000	\$100,000	\$150,000	\$300,000
Other											
Total								\$50,000	\$100,000	\$150,000	\$300,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96					TOTAL	PROJECT COST
Planning											
Design/Project Management											
City								50,000	20,000	70,000	100,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted									80,000	80,000	200,000
Major Equipment											
Total Annual Costs								\$50,000	\$100,000	\$150,000	\$300,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *DOWNTOWN IMPROVEMENTS*
Project Ranking: *92 Allocated Fund Group*
Project Identification # : *Act . 983 ;Proj. 3484*
Water System Need Addressed: *Maintain System*
Project Manager: *Miller*

OFA Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	X
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

The Downtown Improvements Project will upgrade the existing water system within the downtown core area. The water system in the downtown core is some of the oldest, most heavily used portion of the water system. Past projects in this area (light rail) have shown the piping in need of extensive repairs. This project will replace and adjust water mains, replace and adjust services, replace and adjust fire hydrants as well as install new hydrants. The primary benefit of the project is to maintain the system with a secondary benefit of improving fire protection in that area.

292

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$110,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$575,000	on-going
Other											
Total				\$110,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$575,000	on-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				10,000	12,000	12,000	12,000	12,000	12,000	60,000	
Contracted											
Site Acquisition											
Construction											
City											
Contracted				100,000	103,000	103,000	103,000	103,000	103,000	515,000	
Major Equipment											
Total Annual Costs				\$110,000	\$115,000	\$115,000	\$115,000	\$115,000	\$115,000	\$575,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *EAST BOUNDARY MAIN*
Project Ranking: *60 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will provide supply and distribution strength along the eastern boundary of the Portland system. The main will eliminate dead ends along the boundary. The project will help to maintain an integrated grid system. The project consists of 9,000 feet of 16-inch main and 10,800 feet of 12-inch main. The timing of the project is scheduled to coordinate with east county annexation. The project will be designed in FY 99-00 with construction staged in FY 00-01 and FY 02-03. Primary benefit is to improve fire protection.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year				FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98		FY 98-99	TOTAL	PROJECT COST
Water Construction Fund								\$200,000	\$200,000	\$1,577,000
Other										
Total								\$200,000	\$200,000	\$1,577,000

293

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year				FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	PROJECT COST
Planning										
Design/Project Management										
City								60,000	60,000	100,000
Contracted								140,000	140,000	200,000
Site Acquisition										
Construction										
City										
Contracted										1,277,000
Major Equipment										
Total Annual Costs								\$200,000	\$200,000	\$1,577,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: EAST COUNTY SUPPLY MAIN
Project Ranking: 69.5 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Public Health
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

This project includes a planning study to evaluate requirements, alternatives and costs for supplying water east of Powell Butte without providing service directly from the existing conduits. Further planning, design and construction of these improvements would proceed only if found feasible in the initial planning study. These improvements would decrease peaking demand on the conduits by serving east county customers from Powell Butte storage. The improvements may also become integral to alternative supply options and/or construction of a treatment plant by providing consistent water quality throughout the existing service area. The primary benefit of the project is to allow the existing water supply system to operate at a higher capacity.

294

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund								\$50,000	\$350,000	\$400,000	\$7,800,000
Other											
Total								\$50,000	\$350,000	\$400,000	\$7,800,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning								50,000	30,000	80,000	80,000
Design/Project Management											
City									50,000	50,000	100,000
Contracted									270,000	270,000	300,000
Site Acquisition											
Construction											
City											500,000
Contracted											6,820,000
Major Equipment											
Total Annual Costs								\$50,000	\$350,000	\$400,000	\$7,800,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *EAST WELLFIELD COLLECTION SYSTEM UPSIZE*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the upgrading of the east wellfield collection main to allow greater use of the well capacity in that area. A portion of the original collection piping system was installed prior to completion of the production wells and consequently is too small to take advantage of the unexpectedly large production from these well sources. It is anticipated that either a parallel main will be laid or the existing main re-laid to a larger diameter. Primary benefit of the project is to increase the capacity of the water system and, as such, its need is dependent upon the findings of the Regional Water Supply Plan in the fall of 1995 and therefore the funding is not included in this CIP.

295

Funding Sources:	Year 1	Year 2	Year 3	Total Project Cost
Water Construction Fund	\$25,000	\$85,000	\$1,045,000	\$1,155,000
Other				
Total	\$25,000	\$85,000	\$1,045,000	\$1,155,000

PROJECT DETAIL

Project Title: *ELECTRONIC MAPPING*
Project Ranking: 37 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Project will convert 620 water distribution quarter section maps from the current mylar format to electronic maps. The primary benefit of the projects are to increase operational efficiency by 1) reducing the time required to maintain maps, 2) make greater use of the maps, 3) allow other Bureau programs to access map data, and 4) prepare for City-wide GIS.

296

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund							\$187,000	\$187,000		\$374,000	\$374,000
Other											
Total							\$187,000	\$187,000		\$374,000	\$374,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City							87,000	87,000		174,000	\$174,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment							\$100,000	\$100,000		\$200,000	\$200,000
Total Annual Costs							\$187,000	\$187,000		\$374,000	\$374,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *EMERGENCY PUMPS*
Project Ranking: *78 Allocated Fund Group*
Project Identification # : *Act . 974 ;Proj. 3470*
Water System Need Addressed: *Public & Employee Safety*
Project Manager: *Saling*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau operates and maintains 36 pump stations. For many of these pump stations, the backup during facility or power failure is provided by auxiliary pumping or generating units which must be delivered to the pump station. The project will determine the best backup strategy for each pump station. The selected backup strategies will then be designed and implemented over a two-year period. The primary benefit of the project is to protect public health during electrical power outages.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$25,000	\$100,000	\$100,000				\$200,000	\$225,000
Other											
Total				\$25,000	\$100,000	\$100,000				\$200,000	\$225,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				10,000	20,000	10,000				30,000	40,000
Contracted				15,000	20,000					20,000	35,000
Site Acquisition											
Construction											
City											
Contracted					60,000	70,000				130,000	130,000
Major Equipment						20,000				20,000	20,000
Total Annual Costs				\$25,000	\$100,000	\$100,000				\$200,000	\$225,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

297

PROJECT DETAIL

Project Title: *FINISH DOWNSTAIRS OF WATER CONTROL CENTER*
Project Ranking: *79 Non-Allocated Fund Group*
Project Identification # : *Act . 937 ;Proj. 3062*
Water System Need Addressed: *Economic Viability*
Project Manager: *Baarspul*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for completing the first floor of the new Water Control Center/Water Quality Lab Building for use by the Operating Engineers and others. Rental of existing leased space and personnel costs will be saved by moving the Operating Engineers from currently leased space into this facility.

298

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$700,000	\$100,000					\$100,000	\$800,000
Other											
Total				\$700,000	\$100,000					\$100,000	\$800,000

Costs/Schedule:											
Planning											
Design/Project Management											
City				25,000	21,500					21,500	46,500
Contracted				77,000	2,000					2,000	79,000
Site Acquisition											
Construction											
City					500					500	500
Contracted				598,000	76,000					76,000	674,000
Major Equipment											
Total Annual Costs				\$700,000	\$100,000					\$100,000	\$800,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)				(\$100,000)	(\$100,000)	(\$100,000)	(\$100,000)	(\$100,000)	(\$500,000)	on-going

PROJECT DETAIL

Project Title: *FLOW-TEST FLUSHING TANKER*
Project Ranking: 46 Allocated Fund Group
Project Identification # : Act . 931
Water System Need Addressed: *Public Health*
Project Manager: *Mirafuente*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated X
Expansion
Efficiency

Currently, it is difficult to conduct hydrant flow tests during dry periods, because of BES limitations on combined sewer overflows. This project provides for a tanker truck to receive hydrant flow-test water. This would also improve our ability to flow hydrants in locations with poor drainage, and could benefit the Bureau's flushing program. Flow-test water could potentially be beneficially used in conjunction with the Bureau's conservation program.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 04-05	TOTAL PROJECT COST
	Water Construction Fund					\$75,000					\$75,000	$75,000
Other											
Total					\$75,000					\$75,000	\$75,000

299

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 04-05	TOTAL PROJECT COST
Planning											
Design/Project Management											
City					\$14,000					\$14,000	\$14,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted					\$61,000					\$61,000	\$61,000
Major Equipment											
Total Annual Costs					\$75,000					\$75,000	\$75,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *FOREST PARK LOW SUPPLY*
Project Ranking: 92.5 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	X

This project provides a supply to the proposed Forest Park Low Tank (1044-foot overflow elevation) :

- a. Phase I: Install approximately 4400 feet of 16" main in NW Miller Road from Cornell to Tualaty Way (City boundary) (\$330,000).
- b. Phase II: Continue the 16" main approximately 7200 feet along NW Miller Road, Barnes Road, Burnside Road, and Skyline Boulevard to Calvary Tank.

300

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST	
Water Construction Fund												\$870,000
Other												
Total												\$870,000

Costs/Schedule:												
Planning												
Design/Project Management												
City												\$70,000
Contracted												\$130,000
Site Acquisition												
Construction												
City												
Contracted												\$670,000
Major Equipment												
Total Annual Costs												\$870,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *FOREST PARK RESERVOIR*
Project Ranking: *96.5 Allocated Fund Group*
Project Identification # : *Act . 957 ;Proj. 3419*
Water System Need Addressed: *Respond to Growth*
Project Manager: *Saling*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides for the planning, design and construction of two reservoirs to serve the Skyline Blvd Corridor and the NW Hills Area. The first reservoir will serve the high service areas and would consist of a 0.5 million gallon elevated storage structure near Skyline Memorial Gardens. The second reservoir would serve the lower service areas in conjunction with Calvary Reservoir. This second reservoir would be a ground level tank located near the intersection of Skyline and Cornell Road. Planning and design of this system occurred in FY 1993-94. Design and site acquisition of the first tank is occurring for FY 1994-95 with construction to begin in FY 1995-96. Site acquisition for the second tank will begin in late 1994-95 with design and construction in late years. A third reservoir at the lower service area site will be needed in future years to serve the project "build out" service level.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	PROJECT COST	
Water Construction Fund		\$75,000	\$66,760	\$341,000	\$975,000			\$150,000	\$1,050,000	\$2,175,000	\$3,682,760
Other											
Total		\$75,000	\$66,760	\$341,000	\$975,000			\$150,000	\$1,050,000	\$2,175,000	\$3,682,760

301

Costs/Schedule:											
Planning											
Design/Project Management											
City		13,000	26,000	30,000	50,000			30,000	50,000	130,000	316,000
Contracted		30,000	40,760	211,000	60,000			120,000	60,000	240,000	731,760
Site Acquisition				100,000							
Construction											
City					30,000				30,000	60,000	120,000
Contracted		32,000			835,000				910,000	1,745,000	3,490,000
Major Equipment											
Total Annual Costs		\$75,000	\$66,760	\$341,000	\$975,000			\$150,000	\$1,050,000	\$2,175,000	\$3,682,760

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *FOUNTAIN CONTROL*
Project Ranking: *29 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for remote control of the decorative fountains. The Bureau's existing telemetry System would be used to monitor the fountains and provide the limited control functions needed. This would maintain the SCADA system for critical operational control and monitoring functions. Preliminary analysis is required.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund						\$40,000				\$40,000	\$40,000
Other											
Total						\$40,000				\$40,000	\$40,000

302

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						5,000				5,000	5,000
Contracted											
Site Acquisition											
Construction											
City						35,000				35,000	35,000
Contracted											
Major Equipment											
Total Annual Costs						\$40,000				\$40,000	\$40,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *FOUNTAIN IMPROVEMENTS*
Project Ranking: *94 Allocated Fund Group*
Project Identification # : *Act . 990 ; Proj. (various)*
Water System Need Addressed: *Maintain System*
Project Manager: *Baarspul*

OFA Objectives:	
<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

The Bureau of Water Works is responsible for the operation and maintenance of 25 of the City's decorative fountains. Many of these fountains are in need of major repairs or renovation. Several fountains do not re-circulate water. This ongoing program of major repair and renovation of the City's various decorative fountains includes: repair of drain lines and valves; replacement of liners; repair and replacement of electrical equipment and lighting systems; repair and replacement of pumps; repair and replacement of wind controls and spray nozzles; various improvements to exterior surfaces; and installation of re-circulating systems. Project also includes adding telemetry to the Water Control Center from major fountains. During 94-95 the Ira Keller Fountain will be restored to its original specifications. This restoration would include replacement of wiring and lighting fixtures. Emphasis of this program for 95-96 will be the conversion of one other fountain, which does not re-circulate water, to a re-circulating system. The primary benefit from this project is to improve the safety of the public using the fountains by improving their maintenance as well as water conservation.

303

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$417,000	\$130,000	\$100,000	\$100,000	\$100,000	\$100,000	\$530,000	on-going
Other											
Total				\$417,000	\$130,000	\$100,000	\$100,000	\$100,000	\$100,000	\$530,000	on-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				16,000	21,600	17,000	17,000	17,000	17,000	89,600	
Contracted				82,000	8,400	6,000	6,000	6,000	6,000	32,400	
Site Acquisition											
Construction											
City											
Contracted				319,000	100,000	77,000	77,000	77,000	77,000	408,000	
Major Equipment											
Total Annual Costs				\$417,000	\$130,000	\$100,000	\$100,000	\$100,000	\$100,000	\$530,000	on-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *FOUNTAIN OPERATIONS PLAN*
Project Ranking: *73.5 Allocated Fund Group*
Project Identification # : *Act . 938; Proj. 3063*
Water System Need Addressed: *Economic Viability*
Project Manager: *Hoffstetter*

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project will establish design standards for water consumption and mechanical systems for all new city owned/Water Bureau operated decorative fountains. These standards will help assure water efficient designs and standardization of mechanical systems thereby minimizing long term operation and maintenance costs. The primary benefits of the project are to protect the public safety while using fountains and to reduce long term maintenance costs of new fountains.

304

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 92-93	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund						\$50,000				\$50,000	\$50,000
Other											
Total						\$50,000				\$50,000	\$50,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 92-93	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City						20,000				20,000	20,000
Contracted						30,000				30,000	30,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$50,000				\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *FREEMAN TANK REMOVAL*
Project Ranking: *58 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the demolition of Freeman Tank. The tank was constructed by a local water district and later obtained by annexation. It is relatively old and poorly constructed. In addition to normal deterioration from age the tank has leaked excessively for years resulting in further damage to the tank. The tank is not needed to supply the area and its value to the system is less than the cost to continue to maintain it.

305

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	PROJECT COST	
Water Construction Fund							\$55,000			\$55,000	\$55,000
Other											
Total							\$55,000			\$55,000	\$55,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	PROJECT COST
Planning										
Design/Project Management										
City							10,000			10,000
Contracted										
Site Acquisition										
Construction							45,000			45,000
City										
Contracted										
Major Equipment										
Total Annual Costs							\$55,000			\$55,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *FULTON - CAROLINA SUPPLY PIPELINE*
Project Ranking: *81 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project includes the analysis, planning, design and construction of improvements (reconstruction and/or replacement) to the existing pipeline extending from the Sellwood Willamette River Crossing to the Fulton and Carolina Pump Stations. Analysis of the existing line and design of necessary improvements are scheduled for FY 01-02. Improvements would be constructed in FY 02-03. This pipeline is the primary supply to the Fulton and Carolina pump stations which serve a large portion of southwest Portland. Past projects along the pipeline route have found portions of the existing pipeline to be in poor condition. The primary benefit of the project is to improve maintenance of the water system. This project consists of 7,200 ft. of 36-inch main.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund										
Other											
Total											\$1,030,000

306

PROJECT DETAIL

Project Title: *GILBERT-CLATSOP SUPPLY MAIN*
Project Ranking: *96.5 Non-Allocated Fund Group*
Project Identification # : *Act.# ;Proj.#*
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project will improve water supply to the Gilbert area and provide a second supply to the SE 162nd Avenue Pump Station which supplies the Clatsop Butte area. The project will allow the distribution system in this area to be supplied from the Powell Butte Reservoirs, stabilizing distribution pressures. Timing of the project is contingent on annexation of the Gilbert Water district. This project consists of the installation of 4,600 feet of 24-inch main in SE 136th Avenue from SE Holgate Boulevard to SE Foster Road, 2,900 feet of 16-inch main in SE Foster Road from SE 136th Avenue to SE Barbara Welch Road, and 1,600 feet of 12-inch main in SE Raymond Street from SE 136th Avenue to the Gilbert Reservoir, including control valving at the reservoir site. Primary benefit of the project is to increase the water system capacity for the area served. Secondary benefits include replacement of old mains and increased fire protection.

307

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund											\$1,179,000
Other											
Total											\$1,179,000

PROJECT DETAIL

Project Title: GIS WATER BUREAU
Project Ranking: 56 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Economic Viability
Project Manager: Chew

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project will add database linkages to existing Bureau electronic maps (see Electronic Maps Project detail) and make the resulting information available on a Bureau and (eventually) City-wide basis. The primary benefit of the project is to increase the efficient operation and maintenance of the water system by allowing better use of the mapping, customer service, and facility records by Bureau employees.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund						\$7,000	\$284,000	\$571,000	\$455,000	\$1,317,000	\$1,317,000
Other											
308 Total						\$7,000	\$284,000	\$571,000	\$455,000	\$1,317,000	\$1,317,000

Costs/Schedule:												
Planning												
Design/Project Management												
City						7,000	100,000	200,000	200,000	507,000	507,000	
Contracted												
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment							184,000	371,000	255,000	810,000	810,000	
Total Annual Costs						\$7,000	\$284,000	\$571,000	\$455,000	\$1,317,000	\$1,317,000	

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: GREENLEAF PUMP STATION REPLACEMENT
Project Ranking: 69.5 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Public & Employees Safety
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project consists of replacement of the Greenleaf Pump Station. This pump station supplies water to the Penridge standpipe. The pump replacement will allow an increase in the distribution pressure and meet current and future water demands and fire protection requirements of the Penridge distribution system. The primary benefit of the project is to improve public safety in the area by significantly increasing available fire flows. Secondary benefits include maintenance of the water system and increased system capacity.

309

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$265,000
Other											
Total											\$265,000

PROJECT DETAIL

Project Title: GREENLEAF RESERVOIR NO. 3
Project Ranking: 109 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Respond to Growth
Project Manager:

OFA Objectives:

- Maintenance/Repair
- Replacement
- Mandated
- Expansion
- Efficiency

X

This project will provide for the design and construction of a 2 million gallon reservoir at the Greenleaf Reservoir site. This new reservoir is needed to provide adequate storage for water supply and fire protection to meet future water demands of the Northwest Hills Area, the Skyline Blvd. Corridor, and Forest Park Estates. Primary benefit of the project is system capacity.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$1,330,000
Other											
Total											\$1,330,000

310

PROJECT DETAIL

Project Title:	GROUNDWATER DISINFECTION IMPROVEMENTS	OFA Objectives:	
Project Ranking:	63 Allocated Fund Group	Maintenance/Repair	X
Project Identification # :	Act .940; Proj. 3064	Replacement	
Water System Need Addressed:	Public & Employee Safety	Mandated	
Project Manager:	Peters	Expansion	
		Efficiency	

This project consists of modifications to the existing groundwater disinfection system. The existing disinfection system at the Groundwater Pump Station uses gaseous chlorine and gaseous ammonia. The existing facility does not meet new fire code requirements for containment and scrubbing of these hazardous materials. This project included a pre-design study in FY 94-95 to evaluate alternatives for improvements. The final design of the recommended modifications are due in FY 95-96, and construction in FY 96-97. This work will be coordinated with the Groundwater Treatment Study to ensure resulting improvements also address the requirements of applicable drinking water regulations. This project will not address treatment issues associated with groundwater contamination. Primary benefit of the project is to enhance the safety of the public and our employees.

311

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$50,000	\$100,000	\$100,000	\$550,000			\$750,000	\$800,000
Other											
Total				\$50,000	\$100,000	\$100,000	\$550,000			\$750,000	\$800,000

Costs/Schedule:										
Planning										
Design/Project Management										
City			10,000	52,000	52,000	50,000			154,000	164,000
Contracted			40,000	48,000	48,000			96,000	136,000	
Site Acquisition										
Construction										
City										
Contracted						500,000			500,000	500,000
Major Equipment										
Total Annual Costs			\$50,000	\$100,000	\$100,000	\$550,000			\$750,000	\$800,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *GROUNDWATER TREATMENT STUDY*
Project Ranking: *42 Allocated Fund Group*
Project Identification # : *Act .962; Proj. 3458*
Water System Need Addressed: *Public Health*
Project Manager: *Peters*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated X
Expansion
Efficiency

This project consists of a study to evaluate the needs and alternatives for treatment improvements for the groundwater supply system. Anticipated potential needs include treatment for radon, iron/manganese removal, and disinfection improvements to meet the Surface Water Treatment Rule. Design and construction of improvements is not budgeted at this time and would be implemented over time, as needed, to meet applicable regulatory compliance schedules. This project will not address treatment issues associated with groundwater contamination. The primary benefit of this project is to improve our water quality and, thereby, help assure the health of the public.

312

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$230,300	\$125,000					\$125,000	\$355,300
Other											
Total				\$230,300	\$125,000					\$125,000	\$355,300

Costs/Schedule:										
Planning										
Design/Project Management										
City			60,300	30,000					30,000	90,300
Contracted			170,000	95,000					95,000	265,000
Site Acquisition										
Construction										
City										
Contracted										
Major Equipment										
Total Annual Costs			\$230,300	\$125,000					\$125,000	\$355,300

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *HAYDEN ISLAND CROSSING*
Project Ranking: *43 Allocated Fund Group*
Project Identification # : *Act .919; Proj. 3054*
Water System Need Addressed: *Public & Employee Safety*
Project Manager: *Noble*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides for construction of a new 12-inch diameter underwater main crossing the slough to supply the east end (Tomahawk Island) of Hayden Island. The main will provide a second supply source to the island thereby improving reliability. The main will provide a fire flow capacity to the commercial and residential areas of Tomahawk Island; and eliminate the use of the existing backup wells for fire protection which pump water of poor quality into the public drinking water system. The project benefits both the health and safety of the customers served by improving the reliability and quality of the water supply.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water construction Fund				\$80,000	\$291,000					\$291,000	\$371,000
Other											
Total				\$80,000	\$291,000					\$291,000	\$371,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				20,000	26,000					26,000	46,000
Contracted				60,000	25,000					25,000	85,000
Site Acquisition					10,000					10,000	10,000
Construction											
City					21,000					21,000	21,000
Contracted					209,000					209,000	209,000
Major Equipment											
Total Annual Costs				\$80,000	\$291,000					\$291,000	\$371,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *HAZARDOUS SPOILS DISPOSAL STUDY*
Project Ranking: *11 Allocated Fund Group*
Project Identification # : *Act .905; Proj. 3028*
Water System Need Addressed: *Public Health*
Project Manager: *Greenberger*

OFA Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for testing and disposal of contaminated material encountered in Water Bureau construction. The material must be properly handled in accordance with state and federal regulations. Various approaches will be tried during the course of the study to determine the most appropriate methods to use to handle the material and to capture the costs for that work. However, the primary benefit of the program is to perform the required disposal of hazardous materials during the four-year run of the project and thereby protect the public health.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund		\$10,000		\$10,000	\$10,000	\$10,000				\$20,000	\$30,000
Other											
Total		\$10,000		\$10,000	\$10,000	\$10,000				\$20,000	\$30,000

314

Costs/Schedule:											
Planning											
Design/Project Management											
City		10,000		10,000	10,000	10,000				20,000	30,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs		\$10,000		\$10,000	\$10,000	\$10,000				\$20,000	\$30,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: HEADWORKS SCREENHOUSE #2 & INTAKE
Project Ranking: 90 Allocated Fund Group
Project Identification # : Act .94; Proj. 3065
Water System Need Addressed: Maintain System
Project Manager: Baarspul

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The existing Screenhouse #2 and intake structures are about 75 years old and in need of major repairs and renovation, including intakes, control valves, screens and canal. These facilities serve as both primary and back-up inlets as well as a back-up screening system for the conduits at the Bull Run Headworks. Current maintenance needs include replacing valves and/or operators for existing inlet gates; repairing leaks in, or replacement of, the canal; and renovation of screens. The first 3 years of the project are scheduled for evaluation of the facilities and the design of needed repairs. Construction will begin in FY 97-98 and continue through FY 98-99.

315

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$50,000	\$100,000	\$100,000	\$500,000	\$460,000		\$1,160,000	$1,210,000
Other											
Total				\$50,000	\$100,000	\$100,000	\$500,000	\$460,000		\$1,160,000	\$1,210,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				10,000	20,000	20,000	100,000	100,000		240,000	250,000
Contracted				40,000	80,000	80,000	20,000	20,000		200,000	240,000
Site Acquisition											
Construction											
City							380,000	340,000		720,000	720,000
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$100,000	\$100,000	\$500,000	\$460,000		\$1,160,000	\$1,210,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *INDUSTRIAL CONSERVATION*
Project Ranking: *83 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Environment & Conservation*
Project Manager: *Doane*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides funding for a pilot program consisting of enhancing the water system supply capacity by providing low cost loans to Industrial / Commercial / Government organizations to install water conservation facilities.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund						\$170,000				\$170,000	\$170,000
Other											
Total						\$170,000				\$170,000	\$170,000

316

Costs/Schedule:											
Planning											
Design/Project Management											
City						20,000				20,000	20,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted						150,000				150,000	150,000
Major Equipment											
Total Annual Costs						\$170,000				\$170,000	\$170,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *INFRASTRUCTURE MASTER PLANS*
Project Ranking: *44.5 Allocated Fund Group*
Project Identification # : *Act .944; Proj. 3067*
Water System Need Addressed: *Economic Viability*
Project Manager: *Peters*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will develop master plans for each of the water service areas within the City. The master plans will identify improvements necessary to support the planned growth and development of the service areas as well as existing deficiencies in supply, storage and distribution systems. The master plans will be utilized to support the Capital Improvement Program, the Public Facility Plan and the Bureau's long range planning effort. The primary benefit of the project is to improve the efficient use of the Bureau's available construction funds.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$50,000	\$50,000	\$50,000	\$50,000			\$150,000	\$200,000
Other											
Total				\$50,000	\$50,000	\$50,000	\$50,000			\$150,000	\$200,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				40,000	50,000	50,000	50,000			150,000	190,000
Contracted				10,000							10,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$50,000	\$50,000	\$50,000			\$150,000	\$200,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *INSTRUMENT CALIBRATION STUDY*
Project Ranking: *70.5 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

x

The Bureau's SCADA (Supervisory Control and Data Acquisition) system utilizes electronic pressure, flow, and level sensors installed throughout the water system. This project provides for a study and evaluation of calibration needs for these instruments. Any recommended activities and staffing would be funded in future years.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund						\$50,000				\$50,000	\$50,000
Other											
Total						\$50,000				\$50,000	\$50,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
										TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						\$10,000				\$10,000	\$10,000
Contracted						\$40,000				\$40,000	\$40,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$50,000				\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *INTERSTATE SECURITY SYSTEM*
Project Ranking: *38.5 Non- Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability, Public and Employee Safety*
Project Manager: *Duncan*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The project includes a study of the security needs at the Bureau's Interstate Properties. The project includes funding necessary to implement an alternative to install six card system gates, improve lighting, and camera surveillance equipment. The benefits of the project would be reduced theft losses from Bureau's construction material yard and a more secure environment for employees.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$100,000	\$100,000	\$100,000
Other											
319 Total									\$100,000	\$100,000	\$100,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City									5,000	5,000	\$5,000
Contracted									15,000	15,000	\$15,000
Site Acquisition											
Construction											
City									10,000	10,000	\$10,000
Contracted									70,000	70,000	\$70,000
Major Equipment											
Total Annual Costs									\$100,000	\$100,000	\$100,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)									*(10,000)	*(10,000)	on-going

(* Reduced theft losses)

PROJECT DETAIL

Project Title: *INTERSTATE SITE PLAN IMPLEMENTATION*
Project Ranking: *38 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Economic Viability*
Project Manager: *Hilbrick*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will fund a study to generate a plan to increase the efficiency and utility of the Bureau's current Interstate properties and provide funds to implement the plan by the purchase of easements and, when available, real property. The study and plan will includes short and long terms options. The study will examine the options for moving a majority of the current office staff from the Portland Building to the Interstate site.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$20,000	\$400,000					\$400,000	\$420,000
Other											
320 Total				\$20,000	\$400,000					\$400,000	\$420,000

Costs/Schedule:

Planning											
Design/Project Management											
City				5,000	15,000					15,000	20,000
Contracted				15,000	20,000					20,000	35,000
Site Acquisition					365,000					365,000	365,000
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$20,000	\$400,000					\$400,000	\$420,000

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *KELLY BUTTE AREA SUPPLY*
Project Ranking: *74 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

The Kelly Butte Area, recently annexed from Powell Valley Road Water District, includes developable land at elevations too high to be served by Portland's local East Side High pressure zone. There is currently no water supply to high elevations in this area. The first year of this project provides for completing a master plan of supply and distribution facilities required to serve the Kelly Butte area. The second year provides for design, followed by construction of identified supply facilities. The primary purpose of the project is to expand the service area of the water system and to provide for economic development of the area served.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund											\$250,000
Other											
Total											\$250,000

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PROJECT DETAIL

Project Title: *KINGS HEIGHTS MAIN REPLACEMENT*
Project Ranking: *39.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Portions of the existing pump main system from Washington Park to Kings Heights and Arlington Heights are in poor condition and have had numerous repairs. This project provides for replacing approximately 6600 feet of 12-inch steel main. Preliminary analysis is required.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund									\$50,000	\$50,000
Other											
322 Total									\$50,000	\$50,000	\$400,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City									15,000	15,000	65,000
Contracted									35,000	35,000	100,000
Site Acquisition											
Construction											
City											
Contracted											235,000
Major Equipment											
Total Annual Costs									\$50,000	\$50,000	\$400,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *LARGE VALVE PROGRAM*
Project Ranking: *37.5 Non-Allocated Fund Group*
Project Identification # : *Act . 981 ;Proj. 3481*
Water System Need Addressed: *Maintain System*
Proj Mngr: *Miller*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This ongoing project will systematically replace or repair old, large pipeline valves within the supply and distribution mains. The water system contains numerous large valves for 24" pipelines and larger that are over 50 to 100 years old that have deteriorated and/or are designed such that the valves will not function properly. In order to be able to rely on the valves to function, especially to shut water off during main breaks, these valves need to be replaced or repaired.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000	on-going
Other											
Total				\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000	on-going

Costs/Schedule:											
Planning											
Design/Project Management											
City				5,000	5,000	5,000	5,000	5,000	5,000	25,000	
Contracted											
Site Acquisition											
Construction											
City				50,000	50,000	50,000	50,000	50,000	50,000	250,000	
Contracted											
Major Equipment											
Total Annual Costs				\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$55,000	\$275,000	on-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *LINCOLN HIGH MAIN RELOCATION*
Project Ranking: *57 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The project provides for the relocation of the 30" main (West-side Distribution Main "North") that runs through the Lincoln High School athletic field.

The existing main is old and can be expected to require repairs in the near future. Unless the main is relocated, the repairs are expected to be very difficult and expensive because the main is deep, it is under the athletic field, and difficult to locate. The primary benefit of the project is system maintenance.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$30,000	\$30,000	\$150,000
Other											
Total									\$30,000	\$30,000	\$150,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City									30,000	30,000	50,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted											100,000
Major Equipment											
Total Annual Costs									\$30,000	\$30,000	\$150,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *LITTLE SANDY RIVER OFF-SITE STORAGE & HYDRO*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Project will allow diversion of water from the Bull Run River to be stored in the Little Sandy River Canyon. The stored water is then diverted to the Bureau's current Bull Run Headworks. Project includes a tunnel from the Bull Run at a location up river from Dam 1, a 400' high dam in the Little Sandy River Canyon, and a tunnel to the headworks. The cost estimate does not include Dam 3 on the Bull Run River. Total project cost is estimated to be \$300,000,000, including hydro power facilities. The primary purpose of the project is to increase the system's capacity and, as such, its need is dependent upon the findings of the Regional Water Supply Study to be completed in 1995. If built, it is anticipated the Water Bureau will pay only 10% of its cost with the remainder being contributed by other water providers and power sales revenue.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	TOTAL PROJECT COST
Water Construction Fund	\$30,000	\$170,000	\$200,000	\$200,000	\$1,000,000	\$5,000,000	\$10,000,000	\$10,000,000	\$3,400,000	\$30,000,000
Other	270,000	1,530,000	1,800,000	1,800,000	9,000,000	45,000,000	90,000,000	90,000,000	30,600,000	\$270,000,000
Total	\$300,000	\$1,700,000	\$2,000,000	\$2,000,000	\$10,000,000	\$50,000,000	\$100,000,000	\$100,000,000	\$34,000,000	\$300,000,000

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PROJECT DETAIL

Project Title: *LITTLE SANDY RIVER SUPPLY*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated X
Expansion
Efficiency

Project allows diversion of Little Sandy River water to the current headworks. Project includes a diversion works on the Little Sandy River and a tunnel to the current headworks. Total project cost is estimated to be \$27,500,000. Project cost does not include funds necessary to compensate PGE for use of water that is included in any valid water right they hold on the Little Sandy River. Project is not budgeted in the CIP because its need for furnishing added capacity is dependent upon findings in 1995 from the Regional Water Supply Plan. For estimating purposes, it is assumed that 45% of the project costs will be furnished by other water providers.

Funding Sources:		Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL PROJECT COST
326	Water Construction Fund	\$75,000	\$75,000	\$475,000	\$3,750,000	\$2,500,000	\$6,875,000
	Other	225,000	225,000	1,425,000	\$11,250,000	\$7,500,000	\$20,625,000
	Total	\$300,000	\$300,000	\$1,900,000	\$15,000,000	\$10,000,000	\$27,500,000

PROJECT DETAIL

Project Title: **MAINS PROGRAM**
Project Ranking: 66.5 Allocated Funds Group
Project Identification # : Act .903 ;Proj. (Various)
Water System Need Addressed: Maintain System
Proj Mngr: Miller

OFA Objectives:	
Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

This program is an on-going CIP for the improvement & maintenance of the water distribution piping system. It provides for construction of approximately 62,000 feet of new main each year. This project includes customer requested mains and new mains installed in subdivisions by developers which is largely reimbursable, replacing old leaking mains, upsizing mains to ensure adequate flow for fire and supply, new mains for looping and redundancy to ensure quality and reliable supply. Replacement of pipes on bridge crossings is also included. The following sub-programs comprise the mains program. (1) The Mains Program installs approximately 33,000 feet of new main each year which upsizes and replace old leaking mains to ensure reliable supply. Installation of mains for looping, water quality and backup or standby supply is also included in this program. (2) The Fire Main Program installs approximately 13,000 feet of new main each year which replace old undersized mains to ensure adequate flow for fire and other uses. Hydrants are installed in conjunction with both main subprograms. (3) The Petition Main Program installs approximately 16,000 feet of new main each year which includes customer requested work, which is largely reimbursable, and upsizing and replacing old main which supplies the new petitioner requested mains. (4) The Hydrant Program installs 30 new hydrants for fire protection each year. (5) The Bridge Pipe Repair Program replaces existing pipes on bridges which are in need of repair or replacement.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund	on-going	\$2,705,000	\$2,854,459	\$3,880,000	\$4,115,000	\$4,049,000	\$3,840,000	\$4,040,000	\$4,068,000	\$20,112,000	on-going
Other		680,000	606,024	680,000	700,000	700,000	700,000	700,000	700,000	3,500,000	
Total	on-going	\$3,385,000	\$3,460,483	\$4,560,000	\$4,815,000	\$4,749,000	\$4,540,000	\$4,740,000	\$4,768,000	\$23,612,000	on-going

Costs/Schedule:

Planning											
Design/Project Management											
City				100,000	100,000	100,000	100,000	100,000	100,000	500,000	
Contracted				200,000	200,000	200,000	200,000	200,000	200,000	1,000,000	
Site Acquisition											
Construction											
City				2,160,000	2,315,000	2,249,000	2,040,000	2,240,000	2,268,000	11,112,000	
Contracted				2,100,000	2,200,000	2,200,000	2,200,000	2,200,000	2,200,000	11,000,000	
Major Equipment											
Total Annual Costs	N/A			\$4,560,000	\$4,815,000	\$4,749,000	\$4,540,000	\$4,740,000	\$4,768,000	\$23,612,000	on-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *MANAGEMENT OF DBPs IN DISTRIBUTION SYSTEM*
Project Ranking: *47.5 Non-Allocated Fund Group*
Project Identification # : *Act .951; Proj. 3068*
Water System Need Addressed: *Public Health*
Project Manager: *Peters*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated **X**
Expansion
Efficiency

This study will identify and evaluate alternatives for reducing disinfection by-products (DBPs) in the distribution system while not compromising the adequacy of the disinfection process. When chlorine is added to disinfect water a wide variety of compounds known as DBPs are formed. New regulations will be established within the next four years to further limit levels of DBPs in water systems. This study will look at potential modifications to existing operations to assure our DBP levels are as low as possible while still meeting all other applicable water quality regulations.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	ROJECT COST
Water Construction Fund				\$30,000	\$30,000					\$30,000	\$60,000
Other											
Total				\$30,000	\$30,000					\$30,000	\$60,000

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Costs/Schedule:

Planning											
Design/Project Management											
City				22,504	19,800					19,800	42,304
Contracted				7,496	10,200					10,200	17,696
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$30,000	\$30,000					\$30,000	\$60,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *MARQUAM HILL PUMP MAIN REALIGNMENT*
Project Ranking: *63.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj. Mngr.

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The pump main that supplies the Marquam Tank runs through the hospital complex on Marquam Hill. The condition of the main is deteriorating and we are unable to maintain the pipeline for some of its length. This project will conduct a study and design in its first year to determine how best to repair and/or realign portions of the pipeline. The second year of the project includes construction funds to implement the necessary repairs. This project provides for improving the reliability of the Marquam Hill Pump Main. The project will determine the best method or combination of methods, current thought to be either relining or relocating portions of the pump main to insure its continued reliable operation into the future.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$40,000	\$40,000	\$220,000
Other											
Total									\$40,000	\$40,000	\$220,000

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Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City									5,000	5,000	10,000
Contracted									35,000	35,000	40,000
Site Acquisition											
Construction											
City											
Contracted											170,000
Major Equipment											
Total Annual Costs									\$40,000	\$40,000	\$220,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *MASTER PLAN DODGE PARK*
Project Ranking: *36 Non-Allocated Fund Group*
Project Identification # : *Act .911; Proj. 3029*
Water System Need Addressed: *Environment & Conservation*
Project Manager: *Combs*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau owns land at the confluence of the Bull Run and Sandy Rivers where the Bull Run Conduits cross the Sandy River. This project will develop a master plan for the use of that property which contains Dodge Park and Bureau's maintenance facilities adjacent to the park. Recreational access, public information and visual resources will be considered as part of this strategy. BLM's recommendation for water conservation information displays at each of three parks (Dodge, Oxbow and Dabney) will also be considered, as will be the Water Bureau's long-term potential uses for City-owned land in and around Dodge Park. The Subsequent master plan will incorporate the recommendations of the interagency management strategy into plans for Water Bureau improvements at Dodge Park, such as installation of a public information kiosk and of some park facilities. The master plan will also address law enforcement needs at the site, trespass/hazard warning signs, facility maintenance and upgrades, alternative park management arrangements, and visitor management. Implications of the Wild and Scenic River designation for maintenance of the existing conduit river crossings and construction of a Conduit 5 crossing will also be addressed in the plan. Construction of selected physical improvements would occur after the master plan is complete, although some short-term improvements may be installed during preparation of the plan.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$5,000		\$84,000	\$25,000			\$109,000	\$114,000
Other											
Total				\$5,000		\$84,000	\$25,000			\$109,000	\$114,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				5,000		15,000	10,000			25,000	30,000
Contracted						69,000	15,000			84,000	84,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$5,000		\$84,000	\$25,000			\$109,000	\$114,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title:	MASTER PLAN IN-CITY PROPERTY/CONDUIT ROUTES	OFA Objectives:	
Project Ranking:	<i>72 Allocated Fund Group</i>	<i>Maintenance/Repair</i>	<input type="checkbox"/>
Project Identification # :	<i>Act . 975; Proj. 3049</i>	<i>Replacement</i>	<input type="checkbox"/>
Water System Need Addressed:	<i>Maintain System</i>	<i>Mandated</i>	<input type="checkbox"/>
Project Manager:	<i>Combs</i>	<i>Expansion</i>	<input type="checkbox"/>
		<i>Efficiency</i>	<input checked="" type="checkbox"/>

This project will establish a master plan for managing Bureau property within the City, including tank, pump and reservoir sites and properties outside the City that serve existing and planned conduits. The effort will serve the multiple goals of protecting system assets, enhancing the community liveability and enhancing efficient operations.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$32,000		\$75,000	\$75,000			\$150,000	\$182,000
Other											
Total				\$32,000		\$75,000	\$75,000			\$150,000	\$182,000

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Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				16,000		15,000	15,000			30,000	46,000
Contracted											
Site Acquisition						60,000	60,000			120,000	120,000
Construction											
City				1,400							1,400
Contracted											
Major Equipment				14,600							14,600
Total Annual Costs				\$32,000		\$75,000	\$75,000			\$150,000	\$182,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: MICROWAVE COMMUNICATIONS SYSTEM
Project Ranking: 55 Allocated Fund Group
Project Identification # : Act . 947
Water System Need Addressed: Public & Employee Safety
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

Project will construct a microwave communication link between the Bull Run headworks, the Bureau's facilities at Dodge Park on the Sandy River, and the Water Control Center on Interstate Avenue. The primary benefit of the project is to enhance the safety of Bureau personnel working at the water treatment facilities on Lusted Hill, the GW Pump Station, Powell Butte , Sandy River & Bull Run headworks, reduce vandalism at Bureau facilities, and minimize personnel necessary to operate those facilities.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$80,000	\$80,000	\$80,000			\$240,000	\$240,000
Other											
Total					\$80,000	\$80,000	\$80,000			\$240,000	\$240,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					11,400	11,400	11,400			34,200	34,200
Contracted											
Site Acquisition											
Construction											
City					68,600	68,600	68,600			205,800	205,800
Contracted											
Major Equipment											
Total Annual Costs					\$80,000	\$80,000	\$80,000			\$240,000	\$240,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: MONITORING WELL INSTALLATION
Project Ranking: Mandatory
Project Identification # : Act . 950
Water System Need Addressed: Mandatory
Project Manager: Peters

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated X
 Expansion
 Efficiency

This project provides funds for the construction of two monitoring wells that may be necessary to begin implementation of a regional ground water monitoring plan.

333

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	TOTAL
		FY 93-94	FY 93-94	FY 94-95							PROJECT COST
Water Construction Fund					\$75,000	\$75,000	\$75,000			\$225,000	\$225,000
Other											
Total					\$75,000	\$75,000	\$75,000			\$225,000	\$225,000

Costs/Schedule:											
Planning											
Design/Project Management											
City					15,000	15,000	15,000			45,000	45,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted					60,000	60,000	60,000			180,000	180,000
Major Equipment											
Total Annual Costs					\$75,000	\$75,000	\$75,000			\$225,000	\$225,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *MT. TABOR PART 12*
Project Ranking: *Mandatory*
Project Identification # : *Act . 913; Proj. 3036*
Water System Need Addressed: *Public and Employee Safety*
Project Manager: *Galida*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated **X**
Expansion
Efficiency

The Water Bureau operates an electrical power generator at Reservoir No. 6 on Mt. Tabor. The power unit is operated by water flowing into Reservoir No. 6. The unit requires a license from the U.S. Federal Energy Regulatory Commission (FERC). That license agreement contains a "Part 12" that requires the Bureau to hire independent consultants to review the safety of the project structures at least once every 5 years. This project will provide for such studies to be performed.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$40,000				\$5,000	\$40,000	\$45,000
Other											
Total				\$40,000				\$5,000	\$40,000	\$45,000	\$140,000

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Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning				\$40,000				\$5,000	\$40,000	\$45,000	\$140,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$40,000				\$5,000	\$40,000	\$45,000	\$140,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: NETWORK ANALYSIS DATA LOAD
Project Ranking: 45 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Economic Viability
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

The Bureau has recently been upgrading their hydraulic network analysis software. Data entry has been occurring as analysis needs arise in locations around the City. Data entry would be expected to take three to five years to complete in this fashion. This project provides for data entry services to complete the Network Analysis database within one year, a relatively short period of time to obtain the full benefit of the model.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund							\$200,000			\$200,000	$200,000
Other											
Total							\$200,000			\$200,000	\$200,000

335

Costs/Schedule:											
Planning											
Design/Project Management											
City							\$20,000			\$20,000	\$20,000
Contracted							\$180,000			\$180,000	\$180,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs							\$200,000			\$200,000	\$200,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *NON POTABLE WATER SYSTEM DEVELOPMENT*
Project Ranking: *Non-Budgeted- Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Environmental and Conservation*
Proj Mngr: *Doane*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The project provides for the installation of a non-potable water system as a pilot project. We will select a major water system customer, such as the Port of Portland. The primary benefit of such a project is to reduce the demand on the Bull Run water source. Time and justification for the project is dependent upon the results of the Regional Water Supply Plan and an evaluation by the Port.

Funding Sources:	Year 1	Year 2	TOTAL PROJECT COST
Water Construction Fund	\$200,000	\$1,877,000	\$2,077,000
Other			
336 Total	\$200,000	\$1,877,000	\$2,077,000

PROJECT DETAIL

Project Title: *NORTHEAST SUPPLY MAIN*
Project Ranking: *118 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

The Northeast Supply Main, in coordination with the existing river crossing near the St. Johns Bridge supplies the northwest industrial area, reinforcing areas that were formerly supplied solely from the Washington Park Reservoirs. The first two phases of the Northeast Supply Main are constructed and are in service. Phase III consists of constructing 9,300 feet of 48-inch from the NE Supply Main at NE Tillamook Street in 72nd Avenue to NE Prescott and ending at NE Prescott and 62nd Avenue. Phase IV consists of 11,900 feet of 48-inch diameter main from NE Prescott and 62nd Avenue and extends to the Vernon Tanks. A preliminary engineering study is required to evaluate routes, needed flow, and hydraulic parameters and pipeline sizes.

337

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund											\$6,060,000
Other											
Total											\$6,060,000

Costs/Schedule:											TOTAL
Planning											\$100,000
Design/Project Management											
City											\$460,000
Contracted											
Site Acquisition											
Construction											
City											\$300,000
Contracted											\$5,200,000
Major Equipment											
Total Annual Costs											\$6,060,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: NORTH/SOUTH LRT
Project Ranking: Mandatory
Project Identification # :
Water System Need Addressed:
Project Manager: Miller

OFA Objectives:
 Maintenance/Repair
 Replacement X
 Mandated
 Expansion
 Efficiency

This project includes for the planning, evaluation, design, and relocation of water facilities to accommodate the North/South LRT project. The schedule has not been developed but the Water Bureau's involvement in planning and alternative development is expected to begin within FY 94-95. It is anticipated that Tri-Met will fund the Bureau's costs for this project starting in FY 1997-98.

338

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97				TOTAL	PROJECT COST
Water Construction Fund				\$10,000	\$10,000	\$200,000	\$2,000,000	\$500,000		\$2,710,000	\$2,720,000
Other											
Total				\$10,000	\$10,000	\$200,000	\$2,000,000	\$500,000		\$2,710,000	\$2,720,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year			FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97				TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				10,000	10,000	50,000	100,000	50,000		210,000	220,000
Contracted						150,000	150,000	50,000		350,000	350,000
Site Acquisition											
Construction											
City							750,000	200,000		950,000	950,000
Contracted							1,000,000	200,000		1,200,000	1,200,000
Major Equipment											
Total Annual Costs				\$10,000	\$10,000	\$200,000	\$2,000,000	\$500,000		\$2,710,000	\$2,720,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *ODOT ADJUSTMENTS*
Project Ranking: *Mandatory*
Project Identification # : *Act ..926 ;Proj. various*
Water System Need Addressed: *Maintain System*
Proj Mngr: *Nelson*

OFA Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	X
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This on-going project provides for relocation and adjustments to Water Bureau facilities required to accommodate several ODOT and City transportation projects. Funding is partially provided by ODOT and other agencies. The Bureau also takes this opportunity to do certain improvements to the water system prior to construction of new streets to avoid future maintenance and repair problems and to avoid having to make repair cuts in newly paved streets. In those cases where water facilities are located in State Highways by permit or the Transportation project provides an unusually low cost opportunity to upgrade the water system, the expense of at least a portion of the work is borne by the water fund.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund		\$150,000	\$146,814	\$325,000	\$422,000	\$422,000	\$422,000	\$422,000	\$422,000	\$2,110,000	on-going
Other		150,000	146,814	300,000	203,000	203,000	203,000	203,000	203,000	1,015,000	
Total	N/A	\$300,000	\$293,627	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,125,000	on-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				85,000	85,000	85,000	85,000	85,000	85,000	425,000	
Contracted				30,000	30,000	30,000	30,000	30,000	30,000	150,000	
Site Acquisition											
Construction											
City				310,000	310,000	310,000	310,000	310,000	310,000	1,550,000	
Contracted				200,000	200,000	200,000	200,000	200,000	200,000	1,000,000	
Major Equipment											
Total Annual Costs	N/A			\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$625,000	\$3,125,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *OPEN RESERVOIRS STUDY*
Project Ranking: *58.5 Allocated Fund Group*
Project Identification # : *Act . 949 ;Proj. 3026*
Water System Need Addressed: *Maintain System*
Proj Mngr: *Collentine*

OFA Objectives:

Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project includes a water quality and seismic and condition analysis of the Bureau's existing open reservoirs. This work is intended to address new and anticipated water quality regulations and will consider the recent seismic reclassification of the Portland area along with maintenance and repair needs of the facilities and their associated piping. Alternatives for potential modifications to these facilities will be identified and evaluated, and an implementation plan for long-term improvements will be established. The primary benefit of the project is to establish a plan to maintain the water quality from these reservoirs.

340

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$185,000	\$295,000					\$295,000	\$480,000
Other											
Total				\$185,000	\$295,000					\$295,000	\$480,000

Costs/Schedule:

Planning				\$185,000	\$295,000					\$295,000	\$480,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$185,000	\$295,000					\$295,000	\$480,000

Estimated Additional Operating/Maintenance Costs
 Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *PARKROSE SUPPLY MAINS*
Project Ranking: *22 Allocated Fund Group*
Project Identification # : *Act. # 996, Proj. # 3032*
Water System Need Addressed: *Respond to Growth*
Proj Mngr: *Collentine*

OFA Objectives:	
<i>Maintenance/Repair</i>	
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	X
<i>Efficiency</i>	

This project will construct new mains to supply the annexed areas from the Hazelwood and Parkrose areas. These areas currently are supplied off the pump main from Groundwater Pump Station. This arrangement requires the area served to receive 100% well water whenever the well system is operated. This violates Bureau policies of furnishing all City customers equal quality water and to not serve distribution areas from pump mains. The mains will also provide adequate supply to the Airport Way area. The project involves 2 phases. Phase 1 consists of: (1) constructing 9,400 feet of 36-inch main from the NE Supply Main at SE Taylor in 96th Avenue to SE Washington, in SE Washington to 102nd Avenue, in 102nd Avenue to NE Halsey Street, in NE Halsey Street to NE 108th Avenue; and (2) 5,700 feet of 24-inch diameter main at NE Halsey Street in NE 108th Avenue to NE Klickitat Street, in NE Klickitat to NE 105th Avenue. Phase II consists of: (1) constructing a new outlet from Kelly Butte Reservoir to the NE Supply Main consisting of 2,400 feet of 48-inch main in SE 101st Avenue to SE Division; and (2) 11,000 feet of 36-inch at NE 108th in Halsey Street to NE 148th Avenue.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year				5 YEAR		TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$270,000	\$2,750,000				\$2,700,000	\$5,450,000	\$5,720,000
Other											
Total				\$270,000	\$2,750,000				\$2,700,000	\$5,450,000	\$5,720,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year				5 YEAR		TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				15,000	97,000				50,000	147,000	162,000
Contracted				240,000	179,000				50,000	229,000	469,000
Site Acquisition											
Construction											
City				15,000	74,000				75,000	149,000	164,000
Contracted					2,400,000				2,525,000	4,925,000	4,925,000
Major Equipment											
Total Annual Costs				\$270,000	\$2,750,000				\$2,700,000	\$5,450,000	\$5,720,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

341

PROJECT DETAIL

Project Title: *PARKROSE WELLS*
Project Ranking: *63.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public Health*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The project will construct a new discharge piping connection from the site of the existing Parkrose Wells 2 & 3 to West Well Field Collections Main in Airport Way at NE 122nd Avenue. The Primary benefit of the project is to allow use of the Parkrose 2 & 3 wells without placing on 100% groundwater approximately 12 customers served off the existing discharge line.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund									\$25,000	\$25,000	\$25,000
Other											
Total									\$25,000	\$25,000	\$25,000

342

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR		TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City									25,000	25,000	25,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs									\$25,000	\$25,000	\$25,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *PENRIDGE TANK REPLACEMENT*
Project Ranking: *86 Allocated Fund Group*
Project Identification # : *Act .# 954*
Water System Need Addressed: *Maintain System*
Project Manager: *Saling*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

Penridge Tank was acquired from the Sylvan Water District through annexation. There is no existing easement for the access road to the tank site, and the tank may need to be replaced. This project would provide for the acquisition of the access road, provide for additional tank property needed to maintain the facility, and provide for replacement of the tank.

343

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL		
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST	
Water Construction Fund					\$100,000				\$280,000		\$380,000	\$380,000
Other												
Total					\$100,000				\$280,000		\$380,000	\$380,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					11,000				20,000		31,000	\$31,000
Contracted					10,000				30,000		40,000	\$40,000
Site Acquisition					79,000						79,000	\$79,000
Construction												
City												
Contracted									230,000		230,000	\$230,000
Major Equipment												
Total Annual Costs					\$100,000				\$280,000		\$380,000	\$380,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *PIPE DESIGN AND LIFE STUDY*
Project Ranking: *19 Allocated Fund Group*
Project Identification #: *Act. # 963*
Water System Need Addressed: *Maintain System*
Project Manager: *Collentine*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The study consists of an analysis of the expected life of the existing distribution and supply mains and their reliability under environmental stress, including earthquake events. The study will recommend ways to extend the life of existing piping and the most appropriate designs for new piping to withstand expected environmental and loading conditions for its required life.

344

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 00-01	TOTAL
		FY 93-94	FY 93-94	FY 94-95							PROJECT COST
Water Construction Fund					\$30,000					\$30,000	\$30,000
Other											
Total					\$30,000					\$30,000	\$30,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	FY 00-01	TOTAL
Planning					\$30,000					\$30,000	\$30,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$30,000					\$30,000	\$30,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *POWELL BUTTE MASTER PLAN*
Project Ranking: *86 Allocated Fund Group*
Project Identification # : *Act .953; Proj. 3070*
Water System Need Addressed: *Maintain System*
Project Manager: *Liberator*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Project will develop a Master Plan for the Bureau's future use of Powell Butte while incorporating multiple use of the site by citizens of the City. The project will include significant coordination with other City Bureaus, neighborhood groups and result in a report with maps and renderings of future used of this property. The project is necessary in order to allow the Bureau to do accurate planning for major future facilities such as the addition of major in-town storage to replace existing deteriorating facilities and for potential future water treatment facilities.

345

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$50,000	\$300,000	\$50,000				\$350,000	$400,000
Other											
Total				\$50,000	\$300,000	\$50,000				\$350,000	\$400,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				\$31,000	\$32,500	\$10,000				\$42,500	\$73,500
Contracted				\$19,000	\$267,500	\$40,000				\$307,500	\$326,500
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$50,000	\$300,000	\$50,000				\$350,000	\$400,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *POWELL BUTTE RESERVOIR #2*
Project Ranking: *73 Allocated Fund Group*
Project Identification # : *Act . # 969*
Water System Need Addressed: *Respond to Growth*
Project Manager: *Kipper*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project will provide for design and construction of the second 50 million gallon reservoir on Powell Butte. Analysis has indicated that additional storage is required at this location to adequately supply the City and to reduce the system's dependence on the 100 years old open reservoirs on Mt. Tabor and in Washington Park. These aging reservoirs present significant water quality, seismic stability and safety concerns which are to be evaluated in separate studies. It is expected that major repair or replacement of one or more of these reservoirs will be required. This project will provide the additional storage required to safely operate the water system with one or more of the open reservoirs out of service. The first year of the project includes preliminary designs and permitting with project design in the second year, and construction in the third and fourth years. The project is scheduled to allow findings from the Powell Butte Master Plan, Mt. Tabor Part 12 study, Seismic Assessment studies, Open Reservoir Study, and the Regional Water Supply Plan Phase II to be incorporated in the design of this project. The project will significantly enhance the function and reliability of the water supply system.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96				FY 96-97	TOTAL	PROJECT COST
Water Construction Fund					\$50,000	\$825,000	\$6,000,000	\$7,000,000		\$13,875,000	\$13,875,000
Other											
Total					\$50,000	\$825,000	\$6,000,000	\$7,000,000		\$13,875,000	\$13,875,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year		FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96				FY 96-97	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City					24,600	125,000	100,000	100,000		349,600	349,600
Contracted					25,400	700,000	400,000	300,000		1,425,400	1,425,400
Site Acquisition											
Construction											
City											
Contracted							5,500,000	6,600,000		12,100,000	12,100,000
Major Equipment											
Total Annual Costs					\$50,000	\$825,000	\$6,000,000	\$7,000,000		\$13,875,000	\$13,875,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *POWELL BUTTE RESERVOIR #3*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide for design and construction of the third 50 million gallon reservoir on Powell Butte. The reservoir will increase the in-town storage as required to support a growing water system demand and/or reduce the system's dependence on the 1890 vintage open reservoirs, located on Mt. Tabor and Washington Park. Because the need and/or schedule to replace the open reservoirs has not yet been determined, the primary benefit of the reservoir is to add to the system's capacity. As such, the project need is dependent upon findings of the Regional Water Supply Plan. The funding is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Total Project Cost
Water Construction Fund	\$875,000	\$7,000,000	\$6,000,000		\$13,875,000
Other					
Total	\$875,000	\$7,000,000	\$6,000,000		\$13,875,000

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PROJECT DETAIL

Project Title: *PUMP AND CONTROL MAINTENANCE*
Project Ranking: *100 Allocated Funds Group*
Project Identification # : *Act . 917 ;Proj. 3046*
Water System Need Addressed: *Maintain System*
Project Manager: *Allen*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau operates and maintains over 30 pump stations. With electricity costs typically exceeding \$500,000 per year, small inefficiencies can be expensive. In order to insure efficient and reliable operation of the Bureau's pump stations, this project provides for pumps and motor replacements, pump-station piping modifications, electrical improvements, and improvements to hydraulic control facilities. Potential project activities are identified and prioritized on a regular basis. This project also covers emergency replacements of pumps, motors, and other station equipment, when needed.

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund				\$75,000	\$150,000	\$75,000	\$75,000	\$175,000	\$75,000	\$550,000	On-going
Other											
Total				\$75,000	\$150,000	\$75,000	\$75,000	\$175,000	\$75,000	\$550,000	On-going

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				15,000	45,000	15,000	15,000	35,000	15,000	125,000	
Contracted											
Site Acquisition											
Construction											
City				60,000	105,000	60,000	60,000	140,000	60,000	425,000	
Contracted											
Major Equipment											
Total Annual Costs				\$75,000	\$150,000	\$75,000	\$75,000	\$175,000	\$75,000	\$550,000	On-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *RECORD SYSTEM MAINTENANCE*
Project Ranking: *31 Allocated Funds Group*
Project Identification # : *Act . # 978*
Water System Need Addressed: *Maintain System*
Project Manager: *Allen*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides funding for expert consulting services to perform an evaluation and make recommendations for improvements to the Bureau's water system facility records system. Any recommended, improvements and/or increased staffing changes would be funded in future years; and these costs are not included in this study.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund					\$50,000					\$50,000	\$50,000
Other											
Total					\$50,000					\$50,000	\$50,000

Costs/Schedule:												
Planning												
Design/Project Management												
City					1,000						1,000	1,000
Contracted												
Site Acquisition												
Construction												
City												
Contracted												
Major Equipment					49,000						49,000	49,000
Total Annual Costs					\$50,000						\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs												
Estimated Additional Operating/Maintenance (Savings)												

PROJECT DETAIL

Project Title: *REGIONAL TRANSMISSION SYSTEM*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project is a major regional water supply enhancement facility that will connect the primary water systems in the region to allow optimum use of the region's water resources to minimize the cost of water to the region and minimize the environmental impacts of that water use. The project includes construction of 33 miles of large diameter pipeline, two 50-million gallon storage reservoirs, and 3 pump stations. Since it is a regional facility, 75% of its cost is estimated to be provided by other water providers in the region. This project's funds are not included in the CIP totals because its need is dependent upon the findings of the Regional Water Supply Plan.

Funding Sources:

Water Construction Fund
Other

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Total Project Cost
Water Construction Fund	\$125,000	\$250,000	\$1,375,000	\$25,000,000	\$17,500,000	\$5,750,000	\$50,000,000
Other	375,000	750,000	4,125,000	75,000,000	52,500,000	17,250,000	\$150,000,000
Total	\$500,000	\$1,000,000	\$5,500,000	\$100,000,000	\$70,000,000	\$23,000,000	\$200,000,000

350

PROJECT DETAIL

Project Title: REGIONAL WATER SUPPLY PLAN - PHASE II
Project Ranking: Mandatory
Project Identification # : Act . 960; Proj. 3456
Water System Need Addressed: Respond to Growth
Project Manager: Stickel

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

Phase II has been underway since May of 1993 as a CIP project. It is anticipated to result in the adoption of Regional Water Supply Plan in November of 1995. The primary activity in this fiscal year will be the review and revision of the preliminary plan due in July, 1995, and adoption of a final plan by the end of 1995. Staff will continue to refine and work on subsequent strategies for implementation of the plan during early 1996.

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund	\$535,693	\$574,000	\$530,473	\$232,000	\$280,000					\$280,000	$3,440,369
Other	329,307	1,270,000	1,174,896	358,000							
Total	\$865,000	\$1,844,000	\$1,705,369	\$590,000	\$280,000					\$280,000	\$3,440,369

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning	\$865,000	\$1,844,000	\$1,705,369	\$590,000	280,000					280,000	3,440,369
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs	\$865,000	\$1,844,000	\$1,705,369	\$590,000	\$280,000					\$280,000	\$3,440,369

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *RESERVOIR MAINTENANCE*
Project Ranking: *92 Allocated Fund Group*
Project Identification # : *Act . 909; Proj. (various)*
Water System Need Addressed: *Maintain System*
Project Manager: *Hoffstetter*

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This program consists of capitalized projects addressed to preserving the structural and functional integrity of the Bureau's in-city reservoirs and tanks. Work includes major repairs to tank surfaces and linings, repair to lines leading to and from reservoirs and associated valves, and facilities. These reservoirs, some dating from the 1890's (Washington Park and Mt. Tabor) are the major facilities for storage of finished water.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund	on-going	\$291,600	\$283,178	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	on-going
Other											
Total	on-going	\$291,600	\$283,178	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	on-going

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Costs/Schedule:											
Planning											
Design/Project Management											
City			50,000	50,000	50,000	50,000	50,000	50,000	50,000	250,000	
Contracted											
Site Acquisition											
Construction											
City			250,000	250,000	250,000	250,000	250,000	250,000	250,000	1,250,000	
Contracted											
Major Equipment											
Total Annual Costs	on-going	\$291,600	\$283,178	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$300,000	\$1,500,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *RIVER CROSSING REPLACEMENTS*
Project Ranking: *68 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for replacement of two existing pipelines crossing the Willamette River. These pipelines supply the downtown and west Portland. The Clay Street crossing needs replacement due to age and deterioration. The Ross Island crossing is subject to seismic disruption and will require upgrading or replacement in conjunction with seismic upgrades to the bridge. The project is funded to replace both crossings with a new 36" diameter underwater crossing.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund							\$120,000	\$1,000,000		\$1,120,000
Other											
Total							\$120,000	\$1,000,000		\$1,120,000	\$2,240,000

Costs/Schedule:

Planning											
Design/Project Management											
City							20,000	50,000		70,000	140,000
Contracted							100,000			100,000	200,000
Site Acquisition											
Construction											
City											
Contracted								950,000		950,000	1,900,000
Major Equipment											
Total Annual Costs							\$120,000	\$1,000,000		\$1,120,000	\$2,240,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

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PROJECT DETAIL

Project Title: *RIVERGATE INTERTIE*
Project Ranking: *69.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project provides for two mains to complete two loops in the Rivergate area. The addition of these mains will increase supply capacity, reliability and fire protection in this important industrial area. Funding in the first year of the project is intended for development of the Rivergate Master Supply Plan followed by project designs with construction scheduled for the third year.

354

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund											\$610,000
Other											
Total											\$610,000

PROJECT DETAIL

Project Title: *SAM JACKSON TANK #1*
Project Ranking: *86 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the repair or replacement of the Sam Jackson Tank No. 1. The tank was determined to be structurally unsafe due to corrosion of the reinforcement steel, a result of the original construction methods. The tank has been out of service since the structural study was completed several years ago. With increased development of the Oregon Health Sciences University and Veterans Hospital complexes, the need for the repair or replacement of this tank is required.

Funding Sources:

Water Construction Fund
Other

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$400,000
Other											
Total											\$400,000

355

PROJECT DETAIL

Project Title: SANDY RIVER BULL RUN FISHERIES STUDY
Project Ranking: 27.5 Non-Allocated Fund Group
Project Identification # : Act. 958; Proj. 3072
Water System Need Addressed: Environment & Conservation
Project Manager: Robbins

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The operation of the Bull Run water system impacts the flows in the Lower Bull Run and Sandy rivers. In order to operate the water systems with a minimal impact on the rivers, the Bureau has conducted studies on the lower Sandy River that identify its aquatic resources. This study will continue that work into the lower Bull Run rivers.

356

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$30,000		\$50,000				\$50,000	\$80,000
Other											
Total				\$30,000		\$50,000				\$50,000	\$80,000

Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				5,000		10,000				10,000	15,000
Contracted				25,000		40,000				40,000	65,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$30,000		\$50,000				\$50,000	\$80,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: SE FOSTER ROAD SUPPLY MAIN
Project Ranking: 68.5 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Respond to Growth
Proj Mngr:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

This project will improve supply in the Gilbert Distribution system and provide a secondary supply to the SE 112th Avenue and Tenino Court Pump Stations. The project consists of 3,100 feet of 16-inch main in SE Foster Road from SE 122th Avenue to SE 111th Avenue. The project includes a pressure reducing station. In addition to improving the supply, the main will reinforce and intertie the distribution system.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$45,000	\$45,000	\$335,000
Other											
Total									\$45,000	\$45,000	\$335,000

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Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City									5,000	5,000	15,000
Contracted									40,000	40,000	80,000
Site Acquisition											
Construction											
City											
Contracted											240,000
Major Equipment											
Total Annual Costs									\$45,000	\$45,000	\$335,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *SE HARNEY MAIN*
Project Ranking: *61.5 Non-Allocated Fund Group*
Project Identification # : *Act . 959;Proj. 3072*
Water System Need Addressed: *Maintain System*
Proj Mngr: *Ly*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This is a two-phase project to improve the water supply and fire protection in the Brentwood-Darlington neighborhood. Phase 1 consists of 2,900 of 12-inch main in SE Harney Drive and SE Clatsop Street from SE 52nd Avenue to SE 62nd Avenue. Phase II consists of 3,300 feet of 12-inch main in SE Harney Street from SE 72nd Avenue to SE 82nd Avenue. The project will replace piping in an old annexed water district that does not conform to our standards for fire protection flow capacity. Many of the existing mains are also deteriorating, making the major benefit of this project their replacement.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$15,000	\$210,000	\$210,000				\$420,000	\$435,000
Other											
Total				\$15,000	\$210,000	\$210,000				\$420,000	\$435,000

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Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				15,000	29,000	15,000				44,000	59,000
Contracted											
Site Acquisition											
Construction											
City					22,000	20,000				42,000	42,000
Contracted					159,000	175,000				334,000	334,000
Major Equipment											
Total Annual Costs				\$15,000	\$210,000	\$210,000				\$420,000	\$435,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *SE HAROLD STREET MAIN*
Project Ranking: *67.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:

Maintenance/Repair	
Replacement	X
Mandated	
Expansion	
Efficiency	

This project will help bring the Gilbert area distribution system up to Bureau standards by providing a central backbone in the water system for that area. The project consists of 9,700 feet of 12-inch main in SE Harold Street from SE 136th Avenue to SE 103rd Avenue and in SE 136th Avenue from SE Harold Street to SE Raymond Street. The primary benefits of the project are to improve the service from the water system by replacing undersized piping and increasing fire protection flows.

359

Funding Sources:	Prior Yrs	Budget	Actual	Current Year				5 YEAR		TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$580,000
Other											
Total									\$50,000	\$50,000	\$580,000

Costs/Schedule:											
Planning											
Design/Project Management											
City									10,000	10,000	30,000
Contracted									40,000	40,000	80,000
Site Acquisition											
Construction											
City											
Contracted											470,000
Major Equipment											
Total Annual Costs									\$50,000	\$50,000	\$580,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: SE STARK STREET MAIN
Project Ranking: 68.5 Non-Allocated Fund Group
Project Identification # :
Water System Need Addressed: Maintain System
Proj Mngr:

OFA Objectives:	
Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

This project will provide adequate supply and distribution reinforcement to meet peak demands in the Hazelwood and Rockwood areas. These areas were annexed into the Water Bureau system and do not meet our system standards for pipe sizing to maintain quality service. The project consists of 10,150 feet of 12-inch main in SE Stark from SE 102nd Avenue to 127th Avenue (Phase 1) and from SE 135th Avenue to SE 148th Avenue (Phase II). The two phases of the project will be connected to an existing 12-inch main in SE Stark Street from SE 127th Avenue to SE 135th Avenue. The first year of the project includes funds for project design and the second year for fund construction.

360

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$600,000
Other											
Total									\$50,000	\$50,000	\$600,000

Costs/Schedule:											
Planning											
Design/Project Management											
City									10,000	10,000	85,000
Contracted									40,000	40,000	40,000
Site Acquisition											
Construction											
City											25,000
Contracted											450,000
Major Equipment											
Total Annual Costs									\$50,000	\$50,000	\$600,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: SEISMIC ASSESSMENT STUDIES
Project Ranking: 62 Allocated Fund Group
Project Identification # : Act .976 ;Proj. 3473
Water System Need Addressed: Public & Employee Safety
Project Manager: Elliott

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project includes development of a plan for the Bureau's response to seismic hazards and evaluates key Bureau facilities (Groundwater Pump Station, Powell Butte, and Interstate Maintenance Shops, etc.) to determine repairs necessary to withstand predicted earthquake events. The project's plan will identify and provide conceptual designs for the correction of hazards that can be easily and/or cheaply corrected. Any major repairs required that are will only be identified and cost estimates prepared for future budgets.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$190,000	\$135,000	\$100,000	\$100,000			\$335,000	\$525,000
Other											
Total				\$190,000	\$135,000	\$100,000	\$100,000			\$335,000	\$525,000

361

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				40,000	35,000	20,000	20,000			75,000	115,000
Contracted				150,000							150,000
Site Acquisition											
Construction											
City					50,000	40,000	40,000			130,000	130,000
Contracted					50,000	40,000	40,000			130,000	130,000
Major Equipment											
Total Annual Costs				\$190,000	\$135,000	\$100,000	\$100,000			\$335,000	\$525,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *SMALL WELLS STUDY & RENOVATION*
Project Ranking: *47 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project will consist of a study of the existing condition and benefit to the systems of several small wells obtained by the Bureau via annexation of the water districts. The project provides for an analysis of these wells that will recommend either abandonment or rebuilding to provide emergency source. Future year funding will be determined from this analysis phase.

362

Funding Sources:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96					TOTAL	PROJECT COST
Water Construction Fund						\$40,000				\$40,000	\$40,000
Other											
Total						\$40,000				\$40,000	\$40,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year		FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96					TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						10,000				10,000	10,000
Contracted						30,000				30,000	30,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$40,000				\$40,000	\$40,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *SOUTH FORK BULL RUN INTAKE*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Public Health*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion X
Efficiency

Project would permit diversion of a portion of the South Fork Bull Run River around Reservoir #2. The intent of the project is to allow the water system to directly use clean, high quality water from South Fork during periods when the water quality of Reservoir is poor and/or does not comply with drinking water standards. The benefits of the project include improving the reliability, water quality, and capacity of the water supply system. Although not primarily a water supply enhancement, it's need is highly contingent upon decisions on how the region will expand its water sources. The project is not budgeted in this CIP. If the region decides to develop other significant water sources and thereby reduce the reliance on Bull Run, the need for this project will decrease. Project includes a small diversion works in Reservoir #2, 10,350 feet of 48" diameter pipe, and a connection to the South Tower Pipeline.

Funding Sources:	Total			Project Cost
	Year 1	Year 2	Year 3	
Water Construction Fund	\$250,000	\$250,000	\$3,500,000	\$4,000,000
Other				
Total	\$250,000	\$250,000	\$3,500,000	\$4,000,000

363

PROJECT DETAIL

Project Title: *SPRINGVILLE PUMP MAIN REPLACEMENT*
Project Ranking: *50.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

x

The Springville Pump Station delivers water to the Willalatin Tank and its Skyline service area via a pump main that runs through Forest Park. As the water demand in that service area has grown, the existing pump main has become undersized. This project replaces the existing main with one that can safely withstand the flow and pressure requirements now being placed on it.

364

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund									\$75,000	\$75,000	\$500,000
Other											
Total									\$75,000	\$75,000	\$500,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City									20,000	20,000	80,000
Contracted									55,000	55,000	75,000
Site Acquisition											
Construction											
City											
Contracted											345,000
Major Equipment											
Total Annual Costs									\$75,000	\$75,000	\$500,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title:
Project Ranking:
Project Identification # :
Water System Need Addressed:
Project Manager:

STANDARDS FOR FACILITY DESIGN
 34.5 Allocated Fund Group
 Act . 964; Proj. 3074
 Economic Viability
 Peters

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project provides for an engineering study to update the minimum sizing standards for facilities in the Portland Water System. Minimum sizing for pipelines, distribution network grids, and storage tanks will be investigated as well as standards for pumping, site design, and pressure regulation. The primary benefit of the project is to allow design of a more efficient water system.

365

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$25,000	\$25,000	\$25,000				\$50,000	$75,000
Other											
Total				\$25,000	\$25,000	\$25,000				\$50,000	\$75,000

Costs/Schedule:											
Planning											
Design/Project Management											
City				8,100	8,100	8,100				16,200	24,300
Contracted				16,900	16,900	16,900				33,800	50,700
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$25,000	\$25,000	\$25,000				\$50,000	\$75,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *STEPHENSON PUMP STATION ANALYSIS*
Project Ranking: *82 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

The Stephenson Pump Station and Tank were acquired through annexation of the Capitol Highway Water District. Because of the elevation of the pump station in relation to the tank, the pump station does not have sufficient suction pressure to maintain reliable operation of the pumps. The pumps frequently lose suction and will not operate without an operator driving to site and re-priming the pumps. When the pumps lose suction, there is not sufficient flow for fire protection in the area served by the tank. This project will provide for alternatives to alleviate this problem including submersible booster pumps in the tank and the possibility of a new pump station. Construction of the facilities is not included in this estimate.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund									\$50,000	\$50,000	\$50,000
Other											
366 Total									\$50,000	\$50,000	\$50,000
Costs/Schedule:											
Planning											
Design/Project Management											
City									20,000	20,000	20,000
Contracted									30,000	30,000	30,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs									\$50,000	\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *STEPHENSON RESERVOIR REPLACEMENT*
Project Ranking: *82 Non-Allocated Fund Group*
Project Identification #:
Water System Need Addressed: *Maintain System*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project will provide for the design and construction of a 1 million gallon reservoir at the existing Stephenson Reservoir site. This reservoir is needed to provide adequate storage to meet future needs in the Stephenson distribution system. The project will replace one or two of the existing smaller reservoirs on the site. The first year of this project provides funds to do project planning and design, with the second year providing for site improvements and construction of the new tank.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$1,100,000
Other											
Total											\$1,100,000

367

PROJECT DETAIL

Project Title: SW LANCASTER ROAD MAIN
Project Ranking: 38 Non-Allocated Fund Group
Project Identification # : Act . 970 ;Proj. 3075
Water System Need Addressed: Respond to Growth
Proj Mngr: Ly

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion X
 Efficiency

This project will improve the water supply and meet future needs in southwest Portland. The project will also reduce the energy used for pumping and eliminate the need for additional storage facilities in the Arnold system until after the year 2005. The project consists of approximately 7,800 feet of 12-inch main from SW Lancaster Road and SW Broadleaf Drive to 7,800 feet south of SW Broadleaf Drive (11604 SW Lancaster Road) The construction schedule is dependent on development in the area and will be determined, as needed. The second year of project funding will construct the water main.

368

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$40,000							\$485,000
Other											
Total				\$40,000							\$485,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				5,000							5,000
Contracted				35,000							35,000
Site Acquisition											
Construction											
City											
Contracted											400,000
Major Equipment											
Total Annual Costs				\$40,000							\$485,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *SW SUPPLY IMPROVEMENTS*
Project Ranking: *56.5 ALLOCATED FUND GROUP*
Project Identification # : *Act . 987 ;Proj.# 3488*
Water System Need Addressed: *Respond to Growth*
Proj Mngr: *Noble*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for the installation of supply mains in SW Portland to improve supply capacity and eliminate pressure surges in the distribution system. The Capitol Highway Supply Main will improve flow in the area north of I-5 and serve as a suction source for the new Capitol Highway Pump Station. The Arnold Pump Main will serve as the designated pump main for the Capitol Highway Pump Station allowing separation of the distribution and pumping systems. The SW Distribution intertie improves reliability in the distribution supply system for this area.

Funding Sources:	Pri orYrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$180,000	\$1,573,000					\$1,573,000	\$1,753,000
Other											
Total				\$180,000	\$1,573,000					\$1,573,000	\$1,753,000

369

Costs/Schedule:										
Planning										
Design/Project Management										
City			50,000	75,000					75,000	125,000
Contracted			125,000	35,000					35,000	160,000
Site Acquisition										
Construction										
City			5,000	116,000					116,000	121,000
Contracted				1,347,000					1,347,000	1,347,000
Major Equipment										
Total Annual Costs			\$180,000	\$1,573,000					\$1,573,000	\$1,753,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *SYSTEM METERING*
Project Ranking: *70 Allocated Fund Group*
Project Identification # : *Act . 946; Proj. 3023*
Water System Need Addressed: *Economic Viability*
Project Manager: *Steiner*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Efficient water system operation and effective system planning require reliable flow, pressure, and tank-level data. The Bureau has an existing network of flow, pressure and tank level sensors at facilities throughout the City. The Water Control Center uses the existing metering network to monitor and operate the system. Data gathered by the Water Control Center is stored for system analysis and planning purposes. Under this on-going project: (1) The accuracy and reliability of the water-system data will be improved through the design and implementation of a regular calibration program for all sensors. The program will include regular site visits and improved record-keeping; and (2) the metering network will be enhanced by addition of flow and pressure sensors at locations critical for an understanding of system hydraulics. Potential sites for new sensors will be prioritized based on the needs of system operations, planning, network analysis and water loss.

370

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund		\$24,950	\$7,382	\$40,000	\$30,000	\$25,000	\$25,000	\$25,000	\$25,000	\$130,000	on-going
Other											
Total		\$24,950	\$7,382	\$40,000	\$30,000	\$25,000	\$25,000	\$25,000	\$25,000	\$130,000	on-going

Costs/Schedule:											
Planning											
Design/Project Management											
City		7,100	7,382	10,000	10,000	8,000	8,000	8,000	8,000	42,000	
Contracted											
Site Acquisition											
Construction											
City											
Contracted		17,850		30,000	20,000	17,000	17,000	17,000	17,000	88,000	
Major Equipment											
Total Annual Costs		\$24,950	\$7,382	\$40,000	\$30,000	\$25,000	\$25,000	\$25,000	\$25,000	\$130,000	on-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)					\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	on-going

PROJECT DETAIL

Project Title: *TANK OVERFLOW EVALUATION*
Project Ranking: *53.5 Allocated Fund Group*
Project Identification # : *Act . 935 ;Proj. #*
Water System Need Addressed: *Public & Employee Safety*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated X
Expansion
Efficiency

This project is an analysis of storage tanks throughout the distribution system that have inadequately sized overflow systems or improper overflow destinations which can cause property damage. These situations violate State Health Division Standards and Discharge Permit Regulations leaving the Bureau open to Civil and Regulatory legal actions and suits. This project provides for the evaluation of overflow systems and destinations for all storage tanks in the distribution system, and also provides for the prioritized design of improvements for these overflow systems. The primary benefit of the project is to reduce the likelihood that the tank overflows will injure the property or lives of the public.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$75,000	\$75,000					\$75,000	\$150,000
Other											
Total				\$75,000	\$75,000					\$75,000	\$150,000

371

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 92-93	FY 92-93	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City				22,000	21,000					21,000	43,000
Contracted				53,000	54,000					54,000	107,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs				\$75,000	\$75,000					\$75,000	\$150,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *TRAINING FACILITY*
Project Ranking: *35.5 Allocated Fund Group*
Project Identification # : *Act . 931*
Water System Need Addressed: *Public and Employee Safety*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Make site improvements to the Parkrose (or other) site (to be selected) to provide for a field training facility. Improvements to include: An obstacle course for truck drivers; a replaceable pad for pavement breaking; an excavation for installing and removing shoring; and an area for cutting pipe. Benefits would be more competent, efficient, and safe field crews.

372

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund					\$50,000					\$50,000	$50,000
Other											
Total					\$50,000					\$50,000	\$50,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City					20,500					20,500	20,500
Contracted											
Site Acquisition											
Construction											
City					4,500					4,500	4,500
Contracted											
Major Equipment					25,000					25,000	25,000
Total Annual Costs					\$50,000					\$50,000	\$50,000

Estimated Additional Operating/Maintenance Costs			\$10,000	\$10,000	\$10,000	\$10,000	\$40,000	on-going
Estimated Additional Operating/Maintenance (Savings)								

* reduced accidents, increased efficiency

PROJECT DETAIL

Project Title: *Transmission Mains Maintenance*
Project Ranking: *109 Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for future unidentified maintenance of transmission mains throughout the city. The water system contains transmission mains which form a large grid of pipes that distribute water to the distribution system. These 12-inch to 32 -inch mains require replacement at the end of their useful life to ensure reliability and to save water. these mains are normally replaced on an individual basis as they are identified. They are not normally funded from the Mains programs that replaces the distribution system piping. Funding in this project reserves funds for the transmission mains in future years.

373

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund											\$7,500,000
Other											
Total											\$7,500,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											100,000
Design/Project Management											
City											200,000
Contracted											800,000
Site Acquisition											
Construction											
City											1,000,000
Contracted											5,400,000
Major Equipment											
Total Annual Costs											\$7,500,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *TRANSMISSION & STORAGE IMPROVEMENTS*
Project Ranking: *62 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

Improvements in the Transmission and Distribution Storage systems are funded on an individual basis as the projects are identified. This project provides funds in future years for projects not yet specifically identified. Projects included in this program are those that will provide improved storage to meet future needs and to provide a second, backup supply main to each portion of the water system.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund										
Other											
374 Total											\$5,626,000

PROJECT DETAIL

Project Title:	UNDERGROUND TANK REMOVAL/COMPLIANCE	OFA Objectives:	
Project Ranking:	Mandatory	Maintenance/Repair	<input type="checkbox"/>
Project Identification # :	Act . 934; Proj. 2904	Replacement	<input type="checkbox"/>
Water System Need Addressed:	Environment & Conservation	Mandated	X
Project Manager:	Greenberger	Expansion	<input type="checkbox"/>
		Efficiency	<input type="checkbox"/>

This on-going project funds the decommissioning, cleanup, and replacement of underground fuel storage tanks. All work is as mandated by the DEQ/EPA regulations and is in cooperation with the City Fuel Management Program.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund				\$102,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going
Other											
Total				\$102,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going

375

Costs/Schedule:											
Planning											
Design/Project Management											
City				5,000	5,000	5,000	5,000	5,000	5,000	25,000	on-going
Contracted											
Site Acquisition											
Construction											
City											
Contracted				20,000	20,000	20,000	20,000	20,000	20,000	100,000	
Major Equipment											
Total Annual Costs				\$102,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000	on-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *UPPER WHITWOOD TANK PLACEMENT*
Project Ranking: *46 Allocated Fund Group*
Project Identification # : *Act . 984*
Water System Need Addressed: *Public Health*
Project Manager: *Saling*

OFA Objectives:

<i>Maintenance/Repair</i>	
<i>Replacement</i>	X
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project will replace this existing tank with a new one. The tank is difficult to access and suction main to pump station includes service connections. The study will also determine if better location is available.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$10,000	\$60,000	\$380,000			\$450,000	\$450,000
Other											
Total					\$10,000	\$60,000	\$380,000			\$450,000	\$450,000

376

Costs/Schedule:

Planning											
Design/Project Management											
City					10,000	15,000	10,000			35,000	35,000
Contracted						45,000	10,000			55,000	55,000
Site Acquisition							10,000			10,000	10,000
Construction											
City											
Contracted							350,000			350,000	350,000
Major Equipment											
Total Annual Costs					\$10,000	\$60,000	\$380,000			\$450,000	\$450,000

Estimated Additional Operating/Maintenance Costs
Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: *WASHINGTON COUNTY SUPPLY LINE PUMP STATION*
Project Ranking: *Non-Budgeted - Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion **X**
Efficiency

This project includes a study, design and construction of a new pump station on the existing Washington County supply main. The pump station, if feasible, would increase the flows to west side water providers that purchase water from the Water Bureau. This project may require the replacement of 10,000 feet of pipeline in addition to the pump station. The project is expected to be 90% reimbursable from the water districts. The need for this proposed project is dependent upon the findings of the Regional Water Supply Plan in the Fall of 1995 and therefore, the project is not budgeted in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Total Project Cost
Water Construction Fund	\$58,000	\$225,000	\$875,000	\$1,158,000
Other	500,000	2,000,000	8,000,000	10,500,000
Total	\$558,000	\$2,225,000	\$8,875,000	\$11,658,000

377

PROJECT DETAIL

Project Title: *WASHINGTON COUNTY SUPPLY LINE DRAIN*
Project Ranking: *55 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project provides for installation of high pressure 6 inch ball valves on the drain lines on both sides of the Willamette River for the Washington County supply main. The existing valves were rendered inoperable by the high pressure in the supply main.

378

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund								\$75,000		\$75,000	\$75,000
Other											
Total								\$75,000		\$75,000	\$75,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City								8,000		8,000	8,000
Contracted											
Site Acquisition											
Construction											
City								67,000		67,000	67,000
Contracted											
Major Equipment											
Total Annual Costs								\$75,000		\$75,000	\$75,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: WASHINGTON PARK 30" PIPELINE REHAB
Project Ranking: 56.5 Allocated Fund Group
Project Identification # : Act . 988
Water System Need Addressed: Maintain System
Project Manager:

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The Washington Park Reservoir complex includes two critical 30" pipelines. One line conveys water from Reservoir 4, and the second 30" pipeline conveys water from Pump Station # 1 to the Reservoir 4 outlet gatehouse. Both lines leak extensively and are in need of major repair and/or rehabilitation. Previous investigations, some 15 years ago, found repair methods were limited, very expensive and potentially infeasible. Since that time, deterioration of the pipelines has worsened and new repair methods are now available. This work will be done after completion of the Open Reservoir Study, in order to assure this work is consistent with the long-term objectives for the facility. The first year of the project includes funding for developing a plan and design for the repairs. The second year of the project provides for the repair of the pipelines.

379

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$21,000	\$150,000				\$171,000	\$171,000
Other											
Total					\$21,000	\$150,000				\$171,000	\$171,000

Costs/Schedule:

Planning											
Design/Project Management											
City					21,000	20,000				41,000	41,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted						130,000				130,000	130,000
Major Equipment											
Total Annual Costs					\$21,000	\$150,000				\$171,000	\$171,000

Estimated Additional Operating/Maintenance Costs

Estimated Additional Operating/Maintenance (Savings)

PROJECT DETAIL

Project Title: WATER CONTROL CENTER MAINTENANCE
Project Ranking: 91 Allocated Fund Group
Project Identification # : Act . 916; Proj. 3045
Water System Need Addressed: Maintain System
Project Manager: Gascon

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The Water Bureau's SCADA (Supervisory Control and Data Acquisition) system utilizes a network of RTU's (Remote Telemetry Units) installed at pump stations, tanks, valves, and other sites throughout the city. A system of telephone and radio links carry data between the RTU's and the central computer system at the Water Control Center. This project provides for the maintenance of the telemetry sites and the SCADA system. The project is intended to be ongoing with a large expenditure in FY 98-99 to upgrade and replace the central control system at the Water Control Center. The primary purpose of the project is system maintenance.

380

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$25,000	\$850,000	on-going
Other											
Total				\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$25,000	\$850,000	on-going

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year			5 YEAR			TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	
Planning											
Design/Project Management											
City				9,000	10,000	10,000	10,000	85,000	10,000	125,000	
Contracted				5,000	5,000	5,000	5,000	5,000	5,000	25,000	
Site Acquisition											
Construction											
City				6,000	5,000	5,000	5,000	5,000	5,000	25,000	
Contracted								650,000		650,000	
Major Equipment				5,000	5,000	5,000	5,000	5,000	5,000	25,000	
Total Annual Costs				\$25,000	\$25,000	\$25,000	\$25,000	\$750,000	\$25,000	\$850,000	on-going

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: WATER DISTRICT CONNECTIONS
Project Ranking: 79.5 Non-Allocated Fund Group
Project Identification # : Act . 922
Water System Need Addressed: Economic Viability
Project Manager: Saling

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project will provide for design and construction of pumping facilities that will provide the Portland water system with water from the Milwaukie water system and the Clackamas water system. The purpose of the project is to increase Portland's ability to obtain water at a reasonable cost during drought conditions. Project has a secondary benefit of increasing system capacity.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund				\$20,000						
Other											
Total				\$20,000							\$390,000

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Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				20,000							70,000
Contracted											
Site Acquisition											
Construction											
City											50,000
Contracted											270,000
Major Equipment											
Total Annual Costs				\$20,000							\$390,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *WATER LOSS REDUCTION*
Project Ranking: *105 Allocated Fund Group*
Project Identification # : *Act . # ;Proj.#*
Water System Need Addressed: *Environmental & Conservation*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project funds one of the Bureau's conservation efforts. This project identifies areas of leakage and unmetered water in the Portland system. Once leaks are found, the system is repaired to eliminate these losses when cost justified.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund						\$165,000	\$165,000	\$165,000	\$165,000	\$660,000	\$660,000
Other											
Total						\$165,000	\$165,000	\$165,000	\$165,000	\$660,000	\$660,000

382

Costs/Schedule:												
Planning												
Design/Project Management												
City						40,000	40,000	40,000	40,000	160,000	160,000	
Contracted						25,000	25,000	25,000	25,000	100,000	100,000	
Site Acquisition												
Construction												
City						100,000	100,000	100,000	100,000	400,000	400,000	
Contracted												
Major Equipment												
Total Annual Costs						\$165,000	\$165,000	\$165,000	\$165,000	\$660,000	\$660,000	

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: WATER QUALITY SAMPLE UPGRADE
Project Ranking: 59 Allocated Fund Group
Project Identification # : Act .930; Proj. 3451
Water System Need Addressed: Public Health
Project Manager: Peters

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project consists of the installation of standardized water quality sampling stations throughout the distribution system. These improvements will allow the Bureau to monitor water quality throughout the system and more readily identify potential problems and their source. Sample stations have been installed at over 40 sites in FYs 91-93, and 25 stations were installed in FY 93-94 and 94-95. Additional stations will be constructed in FY 95-96 to complete this project.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund		\$13,050	\$12,738	\$55,000	\$75,000					\$75,000	\$142,738
Other											
Total		\$13,050	\$12,738	\$55,000	\$75,000					\$75,000	\$142,738

383

Costs/Schedule:										
Planning										
Design/Project Management										
City		9,500	9,000	55,000	34,000				34,000	98,000
Contracted										
Site Acquisition										
Construction										
City		3,550	3,738		6,000				6,000	9,738
Contracted										
Major Equipment					35,000				35,000	35,000
Total Annual Costs		\$13,050	\$12,738	\$55,000	\$75,000				\$75,000	\$142,738

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WATER REUSE & ALTERNATE USE*
Project Ranking: *91.5 Non-Allocated Fund Group*
Project Identification # : *Act . # ;Proj.#*
Water System Need Addressed: *Environment & Conservation*
Project Manager: *Doane*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

This project is a continuation of the Bureau's effort to conserve the use of Bull Run Water. The Bureau completed a study in 1993 that study showed the most cost effective means to reduce the use of Bull Run water is to provide non-potable water for uses, such as lawn watering, cooling, etc. This project contains funds to implement the most cost - effective recommendations as pilot projects beginning in FY98-99.

384

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund								\$200,000	\$200,000	\$400,000	\$800,000
Other											
Total								\$200,000	\$200,000	\$400,000	\$800,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City								40,000	40,000	80,000	\$160,000
Contracted											
Site Acquisition											
Construction											
City											
Contracted								160,000	160,000	320,000	\$640,000
Major Equipment											
Total Annual Costs								\$200,000	\$200,000	\$400,000	\$800,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *WATER SUPPLY MODEL*
Project Ranking: *62.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau currently uses a limited conceptual watershed model for projecting short-term supplies. The existing model is limited in its ability to handle snowmelt and other hydrologic component processes active in the Bull Run Watershed. This project provides for an improved watershed model to be used for short-term operational forecasting.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund						\$75,000				\$75,000	\$75,000
Other											
385 Total						\$75,000				\$75,000	\$75,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City							10,000			10,000	10,000
Contracted							65,000			65,000	65,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs							\$75,000			\$75,000	\$75,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: **WATER SYSTEM STUDIES**
 Project Ranking: **62.5 Non-Allocated Fund Group**
 Project Identification #:
 Water System Need Addressed: **Public Health**
 Project Manager:

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

This project will provide funds to conduct necessary studies to efficiently operate, maintain, and expand the water system in those future years where specific studies have yet to be identified. The majority of these studies are related to water quality issues. Therefore, the primary assigned benefit is public health.

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Funding Sources:											
Water Construction Fund								\$308,000	\$596,000	\$904,000	\$7,729,000
Other											
Total								\$308,000	\$596,000	\$904,000	\$7,729,000

	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Costs/Schedule:											
Planning											
Design/Project Management											
City							50,000	90,000	140,000	1,196,000	
Contracted							258,000	506,000	764,000	6,533,000	
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs								\$308,000	\$596,000	\$904,000	\$7,729,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *Water Treatment Plant*
Project Ranking: *Non-Budgeted- Water Supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Public Health*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project funding for the planning, design, and construction of a water treatment and filtration plant for the Bull Run River water source. Such a treatment plant will improve reliability, quality and capacity of that water supply capacity available to the region, it is assumed that 25% of its cost will come from other regional water providers. State and Federal standards for water systems do not currently require this project and its need is contingent upon future change in those standards and/or on the finding in 1995 from the Regional Water Supply Plan. Due to those uncertainties, funding for this project is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL PROJECT COST
Water Construction Fund	\$150,000	\$3,600,000	\$60,000,000	\$24,000,000	\$2,225,000	\$89,975,000
Other	50,000	1,200,000	20,000,000	8,000,000	775,000	\$30,025,000
Total	\$200,000	\$4,800,000	\$80,000,000	\$32,000,000	\$3,000,000	\$120,000,000

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PROJECT DETAIL

Project Title: *WATERSHED DAMS MAINTENANCE*
Project Ranking: *92 Allocated Fund Group*
Project Identification # : *Act . 925; Proj. 2919*
Water System Need Addressed: *Maintain System*
Project Manager: *Bartspul*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau owns two large dams in the Bull Run watershed. These dams hold the water which constitutes the main source and storage for the City's water. This on-going project provides for maintenance which protects the long term integrity of the dams, including concrete, coatings, valves, spillways and other features.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund		\$26,450	\$23,571	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	On-going
Other											
Total	On-going	\$26,450	\$23,571	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	On-going

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Costs/Schedule:											
Planning											
Design/Project Management											
City		10,000	10,000	10,000	10,000	10,000	10,000	10,000	10,000	50,000	
Contracted											
Site Acquisition											
Construction											
City		6,450	13,571	40,000	40,000	40,000	40,000	40,000	40,000	200,000	
Contracted											
Major Equipment											
Total Annual Costs	On-going	\$16,450	\$23,571	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000	On-going

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *WELL SITE IMPROVEMENTS*
Project Ranking: *68 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Public & Employee Safety*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

The Water Bureau wells #26, 29 and 32 were constructed with only minimal, temporary control, electrical and piping systems. This project will correct these deficiencies so that wells #26, 29, and 32 will have controls similar to the other 19 wells. This includes new motor control centers, radio telemetry and RTU's, vaults and site security. Wells #26 and 29, seems to be acceptable from a stand point of not causing the spread of any known contamination plumes, the project has a higher priority. The primary benefit of the project is to protect the public and employee safety during operation of these wells and to protect the City's investment in the wells by enhancing their security systems. The project will be designed in FY 99-00 with construction in FY 00-01.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund									\$310,000	\$310,000	\$1,270,000
Other											
Total									\$310,000	\$310,000	\$1,270,000

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Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City									110,000	110,000	440,000
Contracted									200,000	200,000	830,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs									\$310,000	\$310,000	\$1,270,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: *Wellfield Contaminant Threat Identification*
Project Ranking: *22.5 Allocated Fund Group*
Project Identification # : *Act . # 995*
Water System Need Addressed: *Maintain System*
Project Manager: *Senior*

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

A City contractor will provide assistance to the City, in coordination with DEQ, to characterize additional contamination that exists or may exist near City wells that is not related to the Boeing/Cascade plumes. Activities are expected to include reviewing available groundwater quality and potential source data, locating and sampling existing wells, using the DEQ flow model to delineate well capture zones, developing a groundwater monitoring plan, and participating in developing City responses to ongoing or new RP/DEQ investigation and remedial activities.

390

Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund					\$60,000	\$60,000	\$30,000	\$30,000		\$180,000	\$180,000
Other											
Total					\$60,000	\$60,000	\$30,000	\$30,000		\$180,000	\$180,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
Planning											
Design/Project Management											
City					10,000	10,000	10,000	10,000		40,000	40,000
Contracted					50,000	50,000	20,000	20,000		140,000	140,000
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs					\$60,000	\$60,000	\$30,000	\$30,000		\$180,000	\$180,000

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *WELLFIELD MAINTENANCE*
Project Ranking: *111 Allocated Fund Group*
Project Identification # : *Act . 918; Proj. 3047*
Water System Need Addressed: *Maintain System*
Project Manager: *Barrspul*

OFA Objectives:

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

The well field is the City's supplementary and backup water supply to the Bull Run River supply. During FY 94-95 the Bureau replaced pump station control valves, provide security upgrades to well sites, and install a remotely operated actuator for a valve in the pump station discharge header. Funds budgeted for FY 95-96 are to perform major repairs to two wells and lesser projects on several facilities. Repair funds have been withdrawn from this project in recent years due to budgetary constraints and the well system has accumulated many maintenance needs during the last two years. Ongoing repairs and maintenance are needed.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year						5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund				\$163,000	\$200,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,100,000	On-going
Other											
Total				\$163,000	\$200,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,100,000	On-going

Costs/Schedule:											
Planning											
Design/Project Management											
City				73,000	69,500	69,500	70,000	100,000	70,000	379,000	
Contracted											
Site Acquisition											
Construction											
City				90,000	100,000	100,000	100,000	150,000	100,000	550,000	
Contracted					30,500	30,500	30,000	50,000	30,000	171,000	
Major Equipment											
Total Annual Costs				\$163,000	\$200,000	\$200,000	\$200,000	\$300,000	\$200,000	\$1,100,000	On-going

Estimated Additional Operating/Maintenance Costs											
Estimated Additional Operating/Maintenance (Savings)											

PROJECT DETAIL

Project Title: *WELLFIELD REMEDIATION - EAST MULTNOMAH COUNTY OFA Objectives:*
Project Ranking: *53 Allocated Fund Group*
Project Identification # : *Act . 961; Proj. (various)*
Water System Need Addressed: *Maintain System*
Project Manager: *Niss*

<i>Maintenance/Repair</i>	X
<i>Replacement</i>	
<i>Mandated</i>	
<i>Expansion</i>	
<i>Efficiency</i>	

Remediation activities for FY 95-96 will continue to address identification and implementation (construction) of a preferred engineering solution to the plume(s) from Boeing/Cascade that still prevents full use of the wellfield. The budget estimate is based on the assumption that either the responsible parties (RP's), the DEQ, or the EPA will fund the majority of the work and that a city contractor will provide oversight review. The budget also assumes that a similar oversight function will have to be taken for cleanup of as yet unidentified plumes that may threaten the rest of the wellfield.

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Funding Sources:	Pri or Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund		\$761,000	\$340,039	\$846,500	\$465,000	\$360,000	\$260,000			\$1,085,000	\$2,271,539
Other											
Total		\$761,000	\$340,039	\$846,500	\$465,000	\$360,000	\$260,000			\$1,085,000	\$2,271,539

Costs/Schedule:	Pri or Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City		37,100	79,930	60,000	60,000	50,000	40,000			150,000	289,930
Contracted		636,000	259,567	450,000	205,000	160,000	95,000			460,000	1,169,567
Site Acquisition				76,500							76,500
Construction											
City											
Contracted		87,000	542	250,000	200,000	150,000	125,000			475,000	725,542
Major Equipment				10,000							10,000
Total Annual Costs		\$760,100	\$340,039	\$846,500	\$465,000	\$360,000	\$260,000			\$1,085,000	\$2,271,539

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: *WEST HAYDEN ISLAND SUPPLY MAIN*
Project Ranking: *78.5 Non-Allocated Fund Group*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project provides for the construction of a water supply crossing the slough to the west side of Hayden Island. The existing supplies are toward the east end of the island and are inadequate for capacity and reliability for the west portion of the island. Construction scheduling is dependent on needs demonstrated by development of the West Island and completion of a second access bridge to the West Island. The Port of Portland and the Bureau of Transportation plan to complete construction of the bridge by 1999. The first year of the project includes funds for planning and design of the pipeline with construction scheduled for the second year.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
393 Water Construction Fund											\$380,000
Other											
Total											\$380,000

PROJECT DETAIL

Project Title: WEST SIDE HEADER
Project Ranking: 95 Allocated Funds Group
Project Identification # : Act . 997 ;Proj. var
Water System Need Addressed: Maintain System
Project Manager: Villanueva

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

The purpose of the project is to maintain flexibility, reliability and capacity of the existing Willamette River crossing system by construction of a new pipeline between the existing river crossings. A portion of the project may be reimbursable from ODOT. The new pipeline(s) will enhance the system's ability to react and recover from capacity losses due to removal of a river crossing due to a planned project (ODOT project or other) or to an accidental system failure. Additional system analysis will be performed in FY 1995-96 to identify specific system improvements for design and construction. Construction is planned for the following year.

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Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Water Construction Fund		\$415,000	\$347,421	\$50,000	\$80,000	\$475,000				\$555,000	\$902,000
Other											
Total		\$415,000	\$347,421	\$50,000	\$80,000	\$475,000				\$555,000	\$902,000

Costs/Schedule:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
Planning											
Design/Project Management											
City				20,000	32,500	24,000				56,500	76,500
Contracted				30,000	47,500	24,000				71,500	101,500
Site Acquisition											
Construction											
City						48,000				48,000	48,000
Contracted						379,000				379,000	379,000
Major Equipment											
Total Annual Costs		\$415,000	\$347,421	\$50,000	\$80,000	\$475,000				\$555,000	\$902,000

Estimated Additional Operating/Maintenance Costs									
Estimated Additional Operating/Maintenance (Savings)									

PROJECT DETAIL

Project Title: WEST SIDE LIGHT RAIL TRANSIT
Project Ranking: Mandatory
Project Identification # : Act . 965; Proj. (various)
Water System Need Addressed: Maintain System
Project Manager: Villanueva

OFA Objectives:

Maintenance/Repair	X
Replacement	
Mandated	
Expansion	
Efficiency	

The Bureau of Water Works is participating in the West Side Light Rail project by relocating water facilities impacted by proposed Tri-Met project activities. Major supply and distribution facilities serving the westside and downtown area are affected. The primary components of this program are documented in the Westside Light Rail Downtown Area Impact Study, May 1992. Alternative B was selected by Tri-Met and will result in the relocation of 4 major pipelines in Jefferson Street between 18th Avenue and Washington Park. Distribution system piping is also impacted along the proposed light rail route from 18th Ave., Morrison Street and Yamhill Street to 11th Avenue. Major supply pipeline construction was completed during the FY 94-95, with distribution piping relocation expected during 95-96.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Water Construction Fund		\$321,000	\$15,807	\$46,000	\$25,000					\$25,000	
Other		615,000	774,557	764,000	375,000					375,000	
Total		\$475,000	\$936,000	\$790,364	\$810,000	\$400,000				\$400,000	\$2,000,364

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Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year					5 YEAR	TOTAL	
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	TOTAL	PROJECT COST
Planning											
Design/Project Management											
City		181,000		260,000	94,000					94,000	
Contracted		399,000		315,000	42,000					42,000	
Site Acquisition											
Construction											
City		250,000		235,000	264,000					264,000	
Contracted		106,000									
Major Equipment											
Total Annual Costs		\$475,000	\$936,000	\$790,364	\$810,000	\$400,000				\$400,000	\$2,000,365

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: WEST SIDE MAINTENANCE/OPERATIONS STUDY AND FACILITY
Project Ranking: 39 Allocated Funds Group
Project Identification # :
Water System Need Addressed: Public & Employee Safety
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

This project provides for expert consultant study and recommendations of the best location and design for a satellite operations and maintenance and emergency operations facility on the west side of the Willamette River. The project includes funding to implement the option of placing the facility at the existing Bureau Capitol Highway property.

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Funding Sources:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Water Construction Fund						\$45,000	\$315,000	\$200,000		\$560,000	\$560,000
Other											
Total						\$45,000	\$315,000	\$200,000		\$560,000	\$560,000

Costs/Schedule:	Prior Yrs	Budget	Actual	Current Year	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95						TOTAL	PROJECT COST
Planning											
Design/Project Management											
City						25,000	25,000	25,000		75,000	75,000
Contracted						20,000	90,000	10,000		120,000	120,000
Site Acquisition											
Construction											
City											
Contracted							200,000	165,000		365,000	365,000
Major Equipment											
Total Annual Costs						\$45,000	\$315,000	\$200,000		\$560,000	\$560,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: WEST-SIDE SUPPLY MAIN
Project Ranking: 94 Allocated Funds Group
Project Identification # :
Water System Need Addressed: Respond to Growth
Proj Mngr:

OFA Objectives:

Maintenance/Repair	
Replacement	
Mandated	
Expansion	X
Efficiency	

This project provides for a new supply main from Mt. Tabor to approximately SW 17th Avenue and Jefferson Street. Valving at Mt. Tabor would enable supply from either East Side High (Reservoirs No. 1 and 5) or East side Intermediate (Reservoir No. 6), and valving on the west would enable supply to either the West Side High (Reservoir No. 3 system) or the West Side Low (Reservoir No. 4 system). This project would improve reliability and flexibility of the West-Side Supply System. Approximately 5 miles of large-diameter supply main, including a new river crossing, would be required. Preliminary analysis is needed.

Funding Sources:	Prior Yrs	Budget	Actual	Current Year			FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97				TOTAL	PROJECT COST
Water Construction Fund							\$50,000	\$200,000	\$4,750,000	\$5,000,000	\$5,000,000
Other											
Total							\$50,000	\$200,000	\$4,750,000	\$5,000,000	\$5,000,000

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Costs/Schedule:

	Prior Yrs	Budget	Actual	Current Year			FY 97-98	FY 98-99	FY 99-00	5 YEAR	TOTAL
		FY 93-94	FY 93-94	FY 94-95	FY 95-96	FY 96-97				TOTAL	PROJECT COST
Planning											
Design/Project Management											
City							20,000	60,000	250,000	330,000	330,000
Contracted							30,000	100,000	100,000	230,000	230,000
Site Acquisition									300,000	300,000	300,000
Construction											
City								40,000	100,000	140,000	140,000
Contracted									4,000,000	4,000,000	4,000,000
Major Equipment											
Total Annual Costs							\$50,000	\$200,000	\$4,750,000	\$5,000,000	\$5,000,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										

PROJECT DETAIL

Project Title: WEST WELLFIELD COMPLETION
Project Ranking: Non-Budgeted - Water supply Plan Dependent
Project Identification # :
Water System Need Addressed: Respond to Growth
Project Manager:

OFA Objectives:
 Maintenance/Repair
 Replacement
 Mandated
 Expansion
 Efficiency

X

This project will bring the Groundwater Development Program to completion of construction. The project will drill four wells in the West Wellfield area and construct the necessary pipelines and wellhead facilities to utilize the four new wells and three other new wells that were previously drilled but not completed. Work will not commence until potential contamination problems are resolved. The wellfield is a key source of water for summer peaking and backup when conduits are down for maintenance. The primary benefit of the project is to enhance the emergency water supply to the City and the region. As such, its need is dependent upon findings in 1995 of the Regional Water Supply Plan; and therefore, the cost of this project is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	Year 4	Year 5	TOTAL PROJECT COST
Water Construction Fund	\$150,000	\$3,600,000	\$6,000,000	\$2,400,000	\$2,225,000	\$14,375,000
Other	50,000	1,200,000	2,000,000	800,000	775,000	\$4,825,000
Total	\$200,000	\$4,800,000	\$8,000,000	\$3,200,000	\$3,000,000	\$19,200,000

PROJECT DETAIL

Project Title: *WHOLESALE CUSTOMERS SUPPLY MAIN*
Project Ranking: *Non-Budgeted - Water supply Plan Dependent*
Project Identification # :
Water System Need Addressed: *Respond to Growth*
Project Manager:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

X

This project's purpose is to provide a new supply line to a current wholesale water customers. Project includes construction of a 24" pipeline from the Water Bureau's Burlingame Tank to SW Olson Road. Other capacity enhancements to Burlingame Tank and its pumping system will also be constructed. The primary benefit of the project is enhancing the ability of the customer(s) to take water from the Water Bureau. As such, it is estimated that 90% of the project costs will be borne by the customer(s). The need for this project is contingent upon the findings of the Regional Water Supply Plan in 1995 and therefore, the project funding is not included in this CIP.

Funding Sources:	Year 1	Year 2	Year 3	TOTAL PROJECT COST
Water Construction Fund	\$10,000	\$400,000	\$90,000	\$500,000
Other	90,000	3,600,000	810,000	4,500,000
Total	\$100,000	\$4,000,000	\$900,000	\$5,000,000

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Costs/Schedule:

PROJECT DETAIL

Project Title: *WILLAMETTE TANK ANALYSIS*
Project Ranking: *42.5 Non-Allocated Funds Group*
Project Identification # :
Water System Need Addressed: *Maintain System*
Proj Mngr:

OFA Objectives:
Maintenance/Repair
Replacement
Mandated
Expansion
Efficiency

Willamette Tank is a small tank located in Forest Park that serves a small area in northwest Portland that has a sole source of supply. The tank is the only form of reliability to supply the area, is currently inaccessible by vehicle, and cannot be adequately maintained. This study will identify and evaluate the alternative solutions to the problem and recommend disposition of this tank.

Funding Sources:	Prior Yrs	Budget FY 93-94	Actual FY 93-94	Current Year FY 94-95	FY 95-96	FY 96-97	FY 97-98	FY 98-99	FY 99-00	5 YEAR TOTAL	TOTAL PROJECT COST
	Water Construction Fund						\$30,000				\$30,000
Other											
400 Total						\$30,000				\$30,000	\$30,000

Costs/Schedule:											
Planning						30,000				30,000	30,000
Design/Project Management											
City											
Contracted											
Site Acquisition											
Construction											
City											
Contracted											
Major Equipment											
Total Annual Costs						\$30,000				\$30,000	\$30,000

Estimated Additional Operating/Maintenance Costs										
Estimated Additional Operating/Maintenance (Savings)										